

## DAFTAR PUSTAKA

- [1] M. Amelzadeh and S. E. Mirsalehi, "Dissimilar vacuum brazing of cemented carbide to steel using double-layer filler metals," *J. Manuf. Process.*, vol. 47, no. August, pp. 1–9, 2019, doi: 10.1016/j.jmapro.2019.09.015.
- [2] X. Zhang, G. Liu, J. Tao, Y. Guo, J. Wang, and G. Qiao, "Brazing of WC–8Co cemented carbide to steel using Cu–Ni–Al alloys as filler metal: Microstructures and joint mechanical behavior," *J. Mater. Sci. Technol.*, vol. 34, no. 7, pp. 1180–1188, 2018, doi: 10.1016/j.jmst.2017.11.040.
- [3] L. Zhu, L. Luo, J. Luo, Y. Wu, and J. Li, "Effect of electroless plating Ni–Cu–P layer on brazability of cemented carbide to steel," *Surf. Coatings Technol.*, vol. 206, no. 8–9, pp. 2521–2524, 2012, doi: 10.1016/j.surfcoat.2011.11.004.
- [4] X. Zhang, G. Liu, J. Tao, Y. Guo, J. Wang, and G. Qiao, "Brazing of WC–8Co cemented carbide to steel using Cu–Ni–Al alloys as filler metal: Microstructures and joint mechanical behavior," *J. Mater. Sci. Technol.*, vol. 34, no. 7, pp. 1180–1188, 2018, doi: 10.1016/j.jmst.2017.11.040.
- [5] Y. Winardi, "Effect of Heat Treatment on Physical and Mechanical Properties of Cemented Carbide and Carbon Steel Brazed Joints," *R.E.M. (Rekayasa Energi Manufaktur) J.*, vol. 4, no. 2, pp. 169–175, 2019, doi: 10.21070/r.e.m.v4i2.812.
- [6] S. A. Mousavi, P. Sherafati, and M. Hoseinion, "Investigation of Wettability and Metallurgical and Mechanical Properties of Cemented Carbide and Steel Brazed joints," vol. 445, pp. 759–765, 2012.
- [7] Y. X. Fang, Z. M. Liu, S. L. Cui, Y. Zhang, J. Y. Qiu, and Z. Luo, "Improving Q345 weld microstructure and mechanical properties with high frequency current arc in keyhole mode TIG welding," *J. Mater. Process. Technol.*, vol. 250, pp. 280–288, 2017, doi:10.1016/j.jmatprotec.2017.07.026.
- [8] K. Kumar, C. Sateesh Kumar, M. Masanta, and S. Pradhan, "A review on TIG welding technology variants and its effect on weld geometry," *Mater. Today Proc.*, vol. 50, pp. 999–1004, 2021, doi: 10.1016/j.matpr.2021.07.308.
- [9] T. V. Da Cunha, A. Louise Voigt, and C. E. N. Bohórquez, "Analysis of

- mean and RMS current welding in the pulsed TIG welding process,” *J. Mater. Process. Technol.*, vol. 231, pp. 449–455, 2016, doi: 10.1016/j.jmatprotec.2016.01.005.
- [10] J. Zhang, L. Y. Jin, J. C. Xu, and X. Q. Liu, “Microstructure and properties of brazing joint between YG8 cemented carbide and A3 steel,” *Solid State Phenom.*, vol. 127, pp. 265–270, 2007, doi: 10.4028/www.scientific.net/SSP.127.265.
- [11] Y. Lu, J. Wang, and K. Zheng, “Interfacial microstructure and properties of Al<sub>2</sub>O<sub>3</sub>/K-52 austenitic stainless-steel-brazed joints based on the Ni–45Ti filler alloy,” *J. Manuf. Process.*, vol. 68, no. PA, pp. 1303–1313, 2021, doi: 10.1016/j.jmapro.2021.05.057.
- [12] R. Bintarto, T. D. Widodo, R. Raharjo, M. S. Ma’arif, F. G. U. Dewi, and G. D. Pratama, “Analisa struktur mikro dan kekuatan bending sambungan las tig dengan perbedaan kuat arus listrik pada logam tak sejenis aluminium paduan 5052-baja galvanis dengan filler al-si 4043,” no. December 2019, pp. 125–131, 2020.
- [13] M. Amelzadeh and S. E. Mirsalehi, “Dissimilar joining of WC-Co to steel by low-temperature brazing,” *Mater. Sci. Eng. B Solid-State Mater. Adv. Technol.*, vol. 259, no. April, p. 114597, 2020, doi: 10.1016/j.mseb.2020.114597.
- [14] Y. Song, D. Liu, X. Li, X. Song, W. Long, and J. Cao, “Microstructure and mechanical properties of Cf/SiC composite/GH99 joints brazed with BNi-2-Ti composite filler,” *J. Manuf. Process.*, vol. 58, no. August, pp. 905–913, 2020, doi: 10.1016/j.jmapro.2020.09.009.
- [15] R. M. Miranda, “Joining Cemented Carbides,” *Compr. Hard Mater.*, vol. 1, pp. 527–538, 2014, doi: 10.1016/B978-0-08-096527-7.00019-2.
- [16] D. W. Karmiadi, “Analisis Pengaruh Proses Brazing Kuningan Terhadap Perubahan Sifat Mekanis dari Pipa Baja Karbon Rendah,” *Forum Tek.*, vol. 3, no. 3, pp. 181–187, 2010.
- [17] D. Suastiyanti and M. K. Hasybi, “Kekerasan Hasil Pengelasan TIG dan SMAW pada Stainless Steel SS 304 untuk Aplikasi Boiler Shell,” *Semin. Nas. Pakar ke 1 Tahun 2018*, vol. 1, pp. 47–52, 2018, [Online]. Available:

<https://trijurnal.lemlit.trisakti.ac.id/pakar/article/viewFile/2602/2267>.

- [18] B. Anwar, "Analisis Kekuatan Tarik Hasil Pengelasan Tungsten Inert Gas ( Tig ) Kampuh V Ganda Pada Baja Karbon Rendah St 37," *Teknologi*, vol. 17, no. 3, pp. 33–38, 2018, [Online]. Available: <https://ojs.unm.ac.id/teknologi/article/download/7477/4348>.
- [19] N. P. Agus Surya, I. Budiarsa, I. Antara, and B. Jimbaran Bali Abstrak, "Sifat Mekanis Sambungan Dissimilar sStainless Steel 304-Baja Karbon ST 37 Dengan Variasi Diameter Spot Welding Electrode Taper," *J. Ilm. Tek. DESAIN Mek.*, vol. 9, no. 1, pp. 858–862, 2020.
- [20] W. Wijoyo and B. K. Aji, "Kajian Kekerasan Dan Struktur Mikro Sambungan Las Gmaw Baja Karbon Tinggi Dengan Variasi Masukan Arus Listrik," *Simetris J. Tek. Mesin, Elektro dan Ilmu Komput.*, vol. 6, no. 2, p. 243, 2015, doi: 10.24176/simet.v6i2.459.
- [21] H. F. Rohman *et al.*, "Pengaruh Proses Heat Treatment Annealing Terhadap Struktur Mikro Dan Nilai Kekerasan Pada Sambungan Las Thermite Baja Np-42," *J. Tek. Mesin Undip*, vol. 2, no.3, pp.195–203, 2014.
- [22] A. Rahmatika, S. Ibrahim, M. Hersaputri, and E. Aprilia, "Studi Pengaruh Variasi Kuat Arus terhadap Sifat Mekanik Hasil Pengelasan GTAW Alumunium 1050 dengan Filler ER 4043," *J. Polimesin*, vol. 17, no. 1, pp. 47–54, 2019, [Online]. Available: <http://e-jurnal.pnl.ac.id/polimesin/article/view/731>.
- [23] M. Septa, S. Wigangga, I. K. G. Sugita, and I. G. N. Priambadi, "Karakteristik porositas paduan perunggu timah putih ( 80 % Cu - 20 % Sn ) dan perunggu silikon ( 95 % Cu – 5 % Si ) dengan variasi laju pendinginan pada pengecoran cetakan pasir," vol. 2015, no. November, pp. 1–7, 2015.
- [24] Y. Winardi, Triyono, and N. Muhayat, "Effect of Post-Braze Heat Treatment on the Microstructure and Shear Strength of Cemented Carbide and Steel Using Ag-Based Alloy," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 333, no. 1, 2018, doi: 10.1088/1757-899X/333/1/012039.
- [25] D. Teriyoko, "Las Beda Properties Aluminium Dengan Metode Friction Stir Welding," *Anal. Sifat Mek. Dan Strukt. Mikro Pada Sambungan Las*



*Beda Prop. Alum. Dengan Metod. Frict. Stir Weld.*, 2016.

- [26] D. Prayitno, H. D. Hutagalung, and D. P. B. Aji, "Pengaruh Kuat Arus Listrik Pengelasan Terhadap Kekerasan Lapisan Lasan pada Baja ASTM A316," *J. Din. Vokasional Tek. Mesin*, vol. 3, no. 1, pp. 1–6, 2018, doi: 10.21831/dinamika.v3i1.19109.
- [27] K. M. D. I. Muku, "Kekuatan Sambungan Las Aluminium Seri 1100 dengan Variasi Kuat Arus Listrik Pada Proses Las Metal Inert Gas ( MIG ) Welding Connection Strenght of Aluminium 1100 with Current Variations at Metal Inert Gas ( MIG ) Welding Process," *J. Ilm. Tek. Mesin*, vol. 3, no. 1, pp. 11–17, 2009.
- [28] B. Lotfi, M. Rostami, and Z. Sadeghian, "Effect of silicon content on microstructure of Al-Si/SiCp composite layer clad on A380 Al alloy by TIG welding process," *Trans. Nonferrous Met. Soc. China (English Ed.)*, vol. 24, no. 9, pp. 2824–2830, 2014, doi: 10.1016/S1003-6326(14)63414-2.
- [29] S. Sulardjaka, D. Fitriyana, and A. Budiman, "Kajian Kekuatan Tarik dan Struktur Mikro Hasil Pengelasan Shield Metal Arc Welding dan Friction Stir Welding Baja Karbon St 37," *ROTASI*, 19, 193. 10.14710/rotasi.19.4.193-200., no. 1, 2017.
- [30] B. Cheniti *et al.*, "Effect of brazing current on microstructure and mechanical behavior of WC-Co/AISI 1020 steel TIG brazed joint," *Int. J. Refract. Met. Hard Mater.*, vol. 64, pp. 210–218, 2017, doi: 10.1016/j.ijrmhm.2016.11.004.
- [31] A. Jukliv and P. Yoedhawan, "Analisis Kekerasan , Cacat Las , Dan Struktur Mikro Pada Sambungan T Paduan Aluminium 6061 T6511 Hasil Gas Metal Arc Welding ( GMAW ) Dengan Variasi Kuat Arus," *Rotor*, vol. 7, no. November, pp. 1–8, 2014.
- [32] C. Jiang, H. Chen, Q. Wang, and Y. Li, "Effect of brazing temperature and holding time on joint properties of induction brazed WC-Co/carbon steel using Ag-based alloy," *J. Mater. Process. Technol.*, vol. 229, pp. 562–569, 2016, doi: 10.1016/j.jmatprotec.2015.09.044.