

DAFTAR PUSTAKA

- American Society for Testing and Materials*. (2005). ASTM: A 36/A 36M-05 *Standard Specification for Carbon Structural Steel*. Astm A36, 1–4. www.astm.org,
- Arifin, J., Purwanto, H., & Syafa'at, I. (2017). Pengaruh Jenis Elektroda Terhadap Sifat Mekanik Hasil Pengelasan. *Momentum*, 13(1), 27–31
- ASM Handbook Committee*. (1991). *ASM Handbook Volume 4-heat treating*. Ohio: *American Society of Metals* (ASM)
- ASM Handbook Vol 9. (2004). *Metallography And Microstructure*. ASM International.
- Awali, J., Irawan, Y. S., & Choiron, M. A. (2014). Pengaruh kuat arus pengelasan dua layer dengan metode GTAW dan SMAW terhadap kekuatan tarik pada plat ASTM A 36. *Rekayasa Mesin*, 5(2), 107-112.
- Callister Jr, W. D., & Rethwisch, D. G. (2018). Characteristics, Application, and Processing of Polymers. In *Materials Science and Engineering - An Introduction*.
- Choteborsky, R, Dkk. (2008). *Abrasive wear of high chromium fe-Cr-C hardfacing alloy, research in agricultural Engineering*.
- Deutsche Industrie Normen* (DIN). 2008. Pengelasan. Germany: *Deutsche Industrie Normen*
- Dinbandhu, Vishalkumar Prajapati, Jay J. Vora, Kumar Abhishek, (2021). *Chapter 3: Advances in gas metal arc welding process: modifications in shortcircuiting transfer mode, In Handbooks in Advanced Manufacturing, , Elsevier, Pages 67-104, Department of Mechanical Engineering, IITRAM, Ahmedabad, Gujarat, India*
- EN ISO 14175 (2008) *Welding consumable. Gases and gas mixtures for fusion welding and allied processes*. EN ISO
- Geels, K., Fowler, D. B., Kopp, W. U., & Michael R {udiaer} ckert. (2007).

Metallographic and materialographic specimen preparation, light microscopy, image analysis, and hardness testing (Vol. 46). West Conshohocken: ASTM international.

Ilman, F. F. U. M. N. (2022). Analisis Kegagalan Pelat Roller Coal Crusher Pada *Circulating Fluidized Bed Boiler* di PLTU Batu Bara. 4(2), 106–116.

Josten, A., & Höfemann, M. (2020). *Arc-welding based additive manufacturing for body reinforcement in automotive engineering. Welding in the World*, 64(8), 1449-1458.

Kemenperin.go., (2020) Industri Logam Tumbuh Melesat pada Triwulan II

Kou, S. (2003). *Welding metallurgy*. New Jersey, USA, 431(446), 223-225

Kumar, D., Yugeskkrishnan, M., Santhoshkumar, K., & Gaffa, S. (2023). *Hardfacing* satelit dari baja ringan menggunakan pengelasan mig robotik Pemilihan Proses dan Bahan Pemilihan metode Optimasi. 14, 405–411. <https://doi.org/10.58414/SCIENTIFICTEMPER.2023.14.2.26>

Kumar, M. H. K. M. N., & Manmohan, M.(2019) *Experimental Investigation of Gas Metal Arc Welding (GMAW) on 2.25 CR-1MO Steel*. Dimension (L x W x H), 675(350), 690.

Kumar, N. P., Shanmugam, N. S., & Shanmugam, N. S. (2020). *ON AISI 316L Plate By Gas Metal Arc Welding Based On AISI 316L Plate By Gas Metal Arc Welding Based*.

Moh. Syaiful Amri, Dika Anggara, Imam Khoirul Rohmat, Hendri Budi Kurniyanto, D. S. (2020). Materi Komunikasi Hari Ini Pengaruh aditif Nb terhadap ketahanan aus dan sifat tarik paduan *hardfacing Fe-Cr-C hipereutektik*. 24(April), 1–<https://doi.org/10.1016/j.mtcomm.2020.101232>

Mvola, B., & Kah, P. (2016). *Effects of shielding gas control: welded joint properties in GMAW process optimization. The International Journal of Advanced Manufacturin*

Okechukwu, C., Dahunsi, O. A., Oke, P. K., Oladele, I. O., & Dauda, M. (2017).

Review on hardfacing as method of improving the service life of critical components subjected to wear in service. Nigerian Journal of Technology, 36(4), 1095-1103.

Phillips, D.H. (2016), *Welding Engineering, Welding Engineering: An Introduction*, John Wiley & Sons, Ltd, Chichester, UK, tersedia pada:<https://doi.org/10.1002/9781119191407>.

Pradeep, A. (2012). *Neuromarketing: la herramienta de diferenciación de las empresas contemporáneas.*

Pribadi Y., Siswanto E dan Soenoko Y. 2012. Pengaruh posisi pengelasan dan jenis elektroda temper bead welding terhadap ketangguhan hasil las SMAW pada baja ss 41.

Rajkumar, V., Arjunan, T. V., & Kannan, A. R. (2019). *Metallurgical and mechanical investigations of Inconel 625 overlay welds produced by GMAW-hardfacing process on AISI 347 pipes. Materials Research Express, 6(7), 076534.*

RDSO Handbook (2015), *Handbook On Welding Technique, Indian Railways, Centre for Advanced Maintenance Technology, India*

Ripoll, M. R. (2016). *High temperature hardness of steels and iron-based alloys. Materials Science and Engineering: A, 671, 170-181.*

Rusnoto. (2013). Studi Kekuatan Impak Pada Pengecoran Padual Al-Si (Pistonbekas) Dengan Penambahan Unsur Mg. *Jurnal Foundry, 3(2), 24–28.*

Saini, S., Sahni, S., Singh, S. (2016) *A Review of Hardfacing and Wear Reducing Techniques on Industrial Valves. International Journal of Research In Engineering & Technology volume 4,23*

Senolinggi, D., Balfas, M., & Pasdah, A. (2023). *Analisis Sifat Mekanik Track Shoe Pada Unit Excavator Cat 390D Di PT Vale. J-Move, 5(3), 1-5.*

Singh, A., & Singh, R. P. (2020). *A review of effect of welding parameters on the mechanical properties of weld in submerged arc welding process. Materials*

Today: Proceedings, 26, 1714-1717.

- Singh, H., 2014. *Studies the Effect of Iron Based Hardfacing Electrodes on Stainless Steel Properties Using Shielded Metal Arc Welding Process*, *International Journal of Research in Advent Technology*, 2(4), hal. 2321– 963.
- Singla, S., Shibe, V., & Grewal, J. S. (2011). *Performance evaluation of hard faced excavator bucket teeth against abrasive wear using MMAW process*. *International Journal of Mechanical Engineering Applications Research*, 2(02), 73-77.
- Sumiyanto, S., & Abdunnaser, A. (2015). Pengaruh media pendingin terhadap sifat mekanik dan struktur mikro plat baja karbon ASTM A-36. *Bina teknika*, 11(2), 155-170.
- Suwahyo (2011), *Mengelas Dengan Las Busur Listrik Manual*, Yogyakarta, Insania.
- Wiryosumarto, H. (2000). *Teknologi Pengelasan Logam*. Jakarta: Erlangga
- Suyo Darmo, S., & Prihadianto, B. D. (2022). *The Effect Of Hardfacing Process On The Hardness And Microstructure Of Bucket Tooth For Different Manganase Content*. *Jurnal Rekayasa Mesin*, 13(3), 827-836.
- Tanjung, F, A. Jufri, M. & Saifullah, A. (2018) Pengaruh *Stress Relief Annealing* dari Hasil Pengelasan SMAW pada Baja ASTM A36 terhadap Kekuatan Tarik, *Jurnal Teknik Mesin*; 1-5.
- Uriondo, A., Esperon-Miguez, M., & Perinpanayagam, S. (2015). *The present and future of additive manufacturing in the aerospace sector: A review of important aspects*. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, 229(11), 2132-2147.
- Wahyudi, R., Nurdin, N., & Saifuddin, S. (2019). Analisa pengaruh jenis elektroda pada pengelasan SMAW penyambungan baja karbon rendah dengan baja karbon sedang terhadap tensile strenght. *Journal of Welding Technology*, 1(2), 43-47.
- Wibowo, H., Iman, M. N., Iswanto, P., & Mada, U. G. (2016). *Analisa Heat Input*

Pengelasan terhadap Distorsi , Struktur Mikro dan Kekuatan Mekanis Baja A36. 7(1), 3–8.

Wirjosumarto, H. Okumura. T. (2000). “Teknologi Pengelasan Logam”, PT. Pertja. Jakarta

Wu, Y., Schmitt, T., Bousser, E., Khelfaoui, F., Najarian, V., & Brochu, M. (2020). *Jo ur of. Surface & Coatings Technology* 125989

Yacob, S., Ali, R., Wahab, M. I. A., Ariffin, N., & Arshad, A. (2014). *Weld Bead Characteristic of Gas Metal Arc Welding-Cold Metal Transfer (GMAW-CMT).*

Zain, M. R., Junaidi, A, F., & Nasution, K. (2022). Pengaruh Penambahan Unsur *Silikon (Si)* pada *Aluminium (Al)* terhadap Kekuatan Impak Material Campuran Al-Si. *Buletin Utama Teknik, 17(3), 253–256.*

