

DAFTAR PUSTAKA

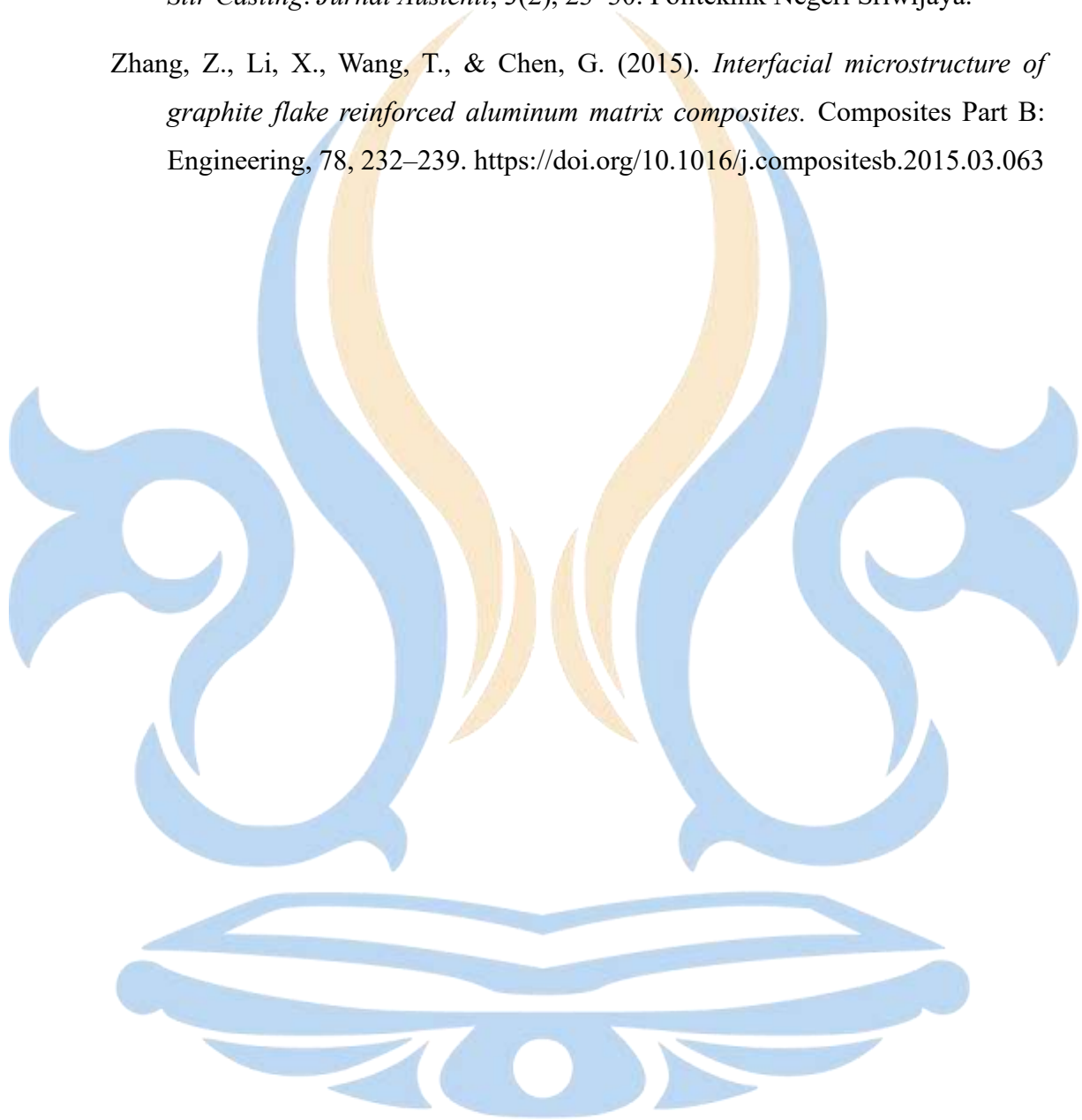
- Ajisir, M. S. Z. (2019). ANALISA KEKUATAN TEKAN SUMBU A DAN B PADA MESIN CNC 5 AXIS ROUTER DENGAN BAHAN MATERIAL ALUMINIUM TYPE 6061. Universitas Negeri Semarang
- Andika, N., Pane, R., & Sudiyanto, A. (2021). *PROSES PENGECORAN DAN MANUFAKTUR LOGAM*.
- Archana, K., & Kumari, P. (2018). *Analysis of Graphite reinforced Aluminium-6061 Metal Matrix Composite using Stir Casting Method*. In *International Journal of Applied Engineering Research* (Vol. 13, Issue 6). <http://www.ripublication.com>
- Arifin, A., Candra Mangku, B. (2018). *INFORMASI ARTIKEL ABSTRAK: Vol. IV* (Issue 2). <http://jurnal.untirta.ac.id/index.php/jwl>
- Arockia Julias, A. (2015). *Rule of mixture for composites*. Department of Mechanical Engineering, lecture notes.
- Arrahim, M. G., & Wicaksono, L. H. (2021). Seminar Nasional Hasil Riset Prefix-RTR PENGARUH BENTUK PARTIKEL FRAKSI PENGUAT FLY ASH PADA PENINGKATAN KEKERASAN DALAM PEMBUATAN METAL MATRIK KOMPOSIT.
- ASM International. (2001). *Aluminum and Aluminum Alloys*. ASM International.
- ASTM-E9. (2000). *Standard Test Methods of Compression Testing Of Metallic Materials At Room Temperature*. ASTM International.
- Fatahillah, A. I., Lesmanah, U., & Choirotin, I. (2024). *ANALISIS KEKERASAN PADA PENGECORAN ALUMUNIUM PADUAN KUNINGAN DENGAN MENGGUNAKAN OLI, UDARA DAN MINYAK JARAK SEBAGAI MEDIA PENDINGIN*.

- Hashim, J., Looney, L., & Hashmi, M. S. J. (1999). *Metal matrix composites: Production by the stir casting method. Journal of Materials Processing Technology*, 92–93, 1–7. [https://doi.org/10.1016/S0924-0136\(99\)00118-1](https://doi.org/10.1016/S0924-0136(99)00118-1)
- Kamil, K., & Halim Asiri, M. (2022). KARAKTERISTIK MEKANIS TEMBAGA HASIL PENGECORAN DENGAN VARIASI WAKTU FASE SOLIDIFIKASI. In *Jurnal Teknik Mesin FT-UMI* (Vol. 4, Issue 1).
- Kharin, A.Y. (2020). *Deep learning for scanning electron microscopy: synthetic data for the nanoparticle's detection*. *Ultramicroscopy*, 113125.
- Kalpakjian, S., & Schmid, S. R. (2021). *Manufacturing Engineering and Technology* (7th ed., SI Units). Pearson.
- Lusianto, P., A., Junipitoyo, B., Winiasri, L., Penerbangan Surabaya, P., & Jemur Andayani No, J. I. (2021). *PENGARUH PENAMBAHAN GRAFIT TERHADAP UJI MEKANIS ALUMINIUM DARI LIMBAH PISTON BEKAS*
- Muthazhagan, C., Babu, A. G., Bhaskar, G. B., & Rajkumar, K. (2014). *Influence of graphite reinforcement on mechanical properties of aluminum-boron carbide composites. Advanced Materials Research*, 845, 398–402. <https://doi.org/10.4028/www.scientific.net/AMR.845.398>
- Narayana, K. S. L., Benal, M. M., & Shivanand, H. K. (2020). *Effect of graphite on aluminium matrix composites fabricated by stir casting route - A review. Materials Today: Proceedings*, 45, 327–331. <https://doi.org/10.1016/j.matpr.2020.11.051>.
- Saptaryani, T. D., & Santoso, B. (2024). Analisis Porositas Hasil Pengecoran pada Pembuatan Material Standar AlSi12(B) dari Material Paduan Aluminium Bekas terhadap Komposisi Kimia dan Cacat Porositas. *Journal of Technology and Engineering*, 2(1), 1–8. P-ISSN: 3025, E-ISSN: 4094.
- Septiano, A.F., Sutanto, H., & Susilo. (2021). Synthesis and characterization of resin lead acetate composites and ability test of X-ray protection. *Journal Of Physics: Conf Series*, 1918.

- Setiadi, B., Martupa Dimmers Lumban Toruan, L., & Moh Kahfi, J. (2022). *Analisa Sifat Mekanis Velg Aluminium Sepeda Motor Menggunakan Metode Heat Treatment Dengan Variasi Waktu Kelipatan 3 Jam Pada Suhu Aging 150°C*. 32. <https://doi.org/10.37277/stch.v32i4>
- Setyaningsih, N.E. & Septiano, A.F. (2019). Optimasi kualitas citra *scanning electron microscopy* (sem) dengan metode *contrast to noise ratio* (CNR). Prosiding Seminar Nasional IV Hasil Penelitian Pranata Laboratorium Pendidikan Indonesia, IV - ISSN: 2548-1924.
- Shukla, U. and Garg, K., 2023. *Journey of smart material from composite to shape memory alloy (SMA), characterization and their applications—A review*. *Smart Materials in Medicine*, 4, pp.227-242. <https://doi.org/10.1016/j.smaim.2022.10.002>
- Sidharta, I., Haryono, J. A., & Devara, A. A. (2018). *Properties of aluminum graphite composite prepared by stir casting*. *AIP Conference Proceedings*, 1983. <https://doi.org/10.1063/1.5046292>
- Susilowati, S.E., 2017. *Pengaruh Penambahan Grafit terhadap Kekerasan Bantalan Perunggu*. Jurnal Kajian Teknik Mesin, Universitas 17 Agustus 1945 Jakarta.
- Syahid, M., Hayat, A., & Aswar. (2022). *Effect of graphite addition on aluminum hybrid matrix composite by powder metallurgy method*. *Revue des Composites et des Matériaux Avancés*, 32(3), 125–132. <https://doi.org/10.18280/rcma.320303>
- Valentino, R., Rosehan, & Y. Lubis, M. S. (2021). Analisis Korelasi Parameter Pemotongan Proses Pembubutan *Grey Cast Iron* menggunakan Metode ANOVA. Jurnal Syntax Admiration, 2.
- Wang, C., Zhu, X., Fan, Y., Liu, J., Xie, L., Jiang, C., Xiao, X., Wu, P., & You, X. (2024). *Microstructure and Properties of Aluminum–Graphene–SiC Matrix Composites after Friction Stir Processing*. *Materials*, 17(5), 979. <https://doi.org/10.3390/ma17050979>

Zamheri, A. (2011). Pengaruh Waktu *Stirring*, Fraksi Volume Dan Ukuran Besar Butir Partikel SiC Terhadap Kekerasan MMC Al 6061 – SiC Dengan Sistem *Stir Casting*. *Jurnal Austenit*, 3(2), 23–30. Politeknik Negeri Sriwijaya.

Zhang, Z., Li, X., Wang, T., & Chen, G. (2015). *Interfacial microstructure of graphite flake reinforced aluminum matrix composites*. *Composites Part B: Engineering*, 78, 232–239. <https://doi.org/10.1016/j.compositesb.2015.03.063>



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