

## DAFTAR PUSTAKA

- Akhil, K. T., Arul, S., & Sellamuthu, R. (2014). The effect of heat treatment and aging process on microstructure and mechanical properties of A356 aluminium alloy sections in casting. *Procedia Engineering*, 97, 1676–1682
- ASTM. (2010). E8/E8M Standard test methods for tension testing of metallic materials. In Annual Book of ASTM Standards 4. <https://www.galvanizeit.com/uploads/ASTM-E-8-yr-13.pdf>
- Bakke, A. O., Arnberg, L. and Li, Y. (2021) ‘Achieving high-strength metallurgical bonding between A356 aluminum and copper through compound casting’, *Materials Science and Engineering: A*, 810(January). doi: 10.1016/j.msea.2021.140979.
- Bello, K. A. *et al.* (2021) ‘Optimizing tensile properties of age hardened A356 aluminium alloy via Taguchi method’, *Nigerian Journal of Engineering*, 28(1), pp. 61–68.
- Callegari, B., Lima, T. N., & Coelho, R. S. (2023). The Influence of Alloying Elements on the Microstructure and Properties of Al-Si-Based Casting Alloys: A Review. *Metals*, 13(7). <https://doi.org/10.3390/met13071174>
- Callister Jr, W. D. and Rethwisch, D. G. (2003) *Characteristics, Application, and Processing of Polymers, Materials Science and Engineering - An Introduction*. Available at: <https://omnexus.specialchem.com/selection-guide/polypropylene-pp-plastic>.
- Chen, Hansong dkk., 2016. Effects of Warm Laser Peening on Thermal Stability and High Temperature Mechanical Properties of A356 Alloy. China. (6), 126.
- Cheng, T., Huang, H. and Huang, G. (2022) ‘Galvanic corrosion behavior between ADC12 aluminum alloy and copper in 3.5 wt% NaCl solution’, *Journal of Electroanalytical Chemistry*, 927(November), p. 116984. doi: 10.1016/j.jelechem.2022.116984.
- Clark, R., Coughran, B., Traina, I., Hernandez, A., Scheck, T., Etuk, C., Peters, J., Lee, E. W., Ogren, J., & Es-Said, O. S. (2005). On the correlation of mechanical and physical properties of 7075-T6 Al alloy. *Engineering Failure Analysis*, 12(4), 520–526. <https://doi.org/10.1016/j.engfailanal.2004.09.005>
- Dahlan, A. and Rusiyanto (2021) ‘Pengaruh Penambahan Unsur Aluminium Murni pada Bahan Aluminium Scrap Terhadap Ketangguhan Impak dan Struktur Mikro Hasil Pengecoran Velg Motor Honda’, *Jurnal Dinamika Vokasional Teknik Mesin*, 6(1), pp. 58–68.

- Darmanto Sri Mulyo Bondan; Purwanto, Helmy, D. R. (2014) 'Pengembangan mekanisme dan kualitas produk sepatu kampas rem berbahan alumunium daur ulang dengan metode pengecoran squez', *Prosiding Seminar Nasional Sains Dan Teknologi Fakultas Teknik*, (Vol 1, No 1 (2014): PROSIDING SEMINAR NASIONAL SAINS DAN TEKNOLOGI 5 2014), pp. 95–99. Available at: [http://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING\\_SNST\\_FT/article/view/1006](http://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING_SNST_FT/article/view/1006).
- Di Giovanni, M. T., Mørtsell, E. A., Saito, T., Akhtar, S., Di Sabatino, M., Li, Y., & Cerri, E. (2019). Influence of Cu addition on the heat treatment response of A356 foundry alloy. *Materials Today Communications*, 19(February), 342–348. <https://doi.org/10.1016/j.mtcomm.2019.02.013>
- International, A. S. M. (1989) *Alloy Phase Diagram, Bulletin of Alloy Phase Diagrams*. doi: 10.1007/BF02881433.
- J, Campbell. 1991. Castings, Butterworth-Heinemann Ltd, Oxford
- Kang, B. *et al.* (2007) 'Density and mechanical properties of aluminum lost foam casting by pressurization during solidification', *Journal of Materials Science and Technology*, 23(6), pp. 828–832.
- Li, Y. J., Brusethaug, S., & Olsen, A. (2006). Influence of Cu on the mechanical properties and precipitation behavior of AlSi7Mg0.5 alloy during aging treatment. *Scripta Materialia*, 54(1), 99–103. <https://doi.org/10.1016/j.scriptamat.2005.08.044>
- Mahmoud M. Tash, S. A. (2014). Aging and Mechanical Behavior of Be-treated 7075 Aluminum alloys. *International Journal of Chemical, Molecular, Nuclear, Materials, and Metallurgical Engineering*, 8(3), 252–256.
- Mansurov, Y. N., Rakhmonov, J. U. and Aksyonov, A. A. (2020) 'Metal-based systems allowing the use of scrap to prepare aluminum alloys', *Non-ferrous Metals*, 49(2), pp. 56–62. doi: 10.17580/nfm.2020.02.07.
- Nurhadi, Nurhadi. (2010). Studi Karakteristik Material Piston Dan Pengembangan Prototipe Piston Berbasis Limbah Piston Bekas
- Siswanto, R., Ghofur, A. and Kepakisa, K. A. K. (2018) 'ANALISIS POROSITAS DAN KERASAN PADUAN Al-12,6%Si DENGAN VARIASI WAKTU TUNGGU DALAM CETAKAN DAN MEDIA PENDINGIN HASIL PENGECORAN EVAPORATIVE', *Jukung (Jurnal Teknik Lingkungan)*, 4(1), pp. 72–81. doi: 10.20527/jukung.v4i1.4663.
- Surdia, T. and Chijiwa, K. (1982) *Teknik Pengecoran Logam*. Jakarta: PT. Pradnya Paramita.
- Surdia, T. and Saito, S. (1985) *Pengetahuan Bahan Teknik*.
- Tugiman, Husni M, Qory F, Adi C, and Satria L. (2021) 'Studi Sifat Mekanik Re-casting Ingot A356 Produksi PT. INALUM Menggunakan Cooling Slope', *Jurnal Teknik Mesin*, 18(1), pp. 1–7. doi: 10.9744/jtm.18.1.1-7.

- Wishujati, A. and Sepriansyah, C. (2018) 'Analisis Sifat Fisik Dan Mekanik Paduan Aluminium Dengan Variabel Suhu Cetakan Logam (Dies) 450 Dan 500 Derajat Celcius Untuk Manufaktur Poros Berulir (Screw)', *Turbo : Jurnal Program Studi Teknik Mesin*, 7(2), pp. 159–165. doi: 10.24127/trb.v7i2.792.
- Wu, K. M., Secondary, C. A., Author, C., Huang, G., Wan, X. L., Wu, K. M., Isayev, O., Hress, O., Rodionova, I., Shirzadi, A. A., & Huang, G. (n.d.). *Materials Science and Technology Effect of Cu addition on microstructure and impact toughness in the simulated CGHAZ of*
- Yildirim, M., & Özyürek, D. (2013). The effects of Mg amount on the microstructure and mechanical properties of Al-Si-Mg alloys. *Materials and Design*, 51, 767–774. <https://doi.org/10.1016/j.matdes.2013.04.089>
- Yuksel, C. Tamer, E., Erzi, E., Cubuklu, S. (2016) 'Quality Evaluation of Remelted A356 Scraps', *Archives of Foundry Engineering*, 16(3), pp. 151–156. doi: 10.1515/afe-2016-0069.
- Zhang, H. Shuqin Yu, Zixuan Yang, and Chaoqun Zhang, (2023) 'The influence of porosity and precipitates on the corrosion behavior of A356 aluminum alloy', *Journal of Electroanalytical Chemistry*, 948(September), p. 117796. doi: 10.1016/j.jelechem.2023.117796.
- Zhou, B. Bo Liu, Shengen Zang, and Rui Lin. (2021) 'Mechanical and Corrosion Properties', *Journal of Alloys and Compounds*, 879, p. 160407. Available at: <https://doi.org/10.1016/j.jallcom.2021.160407>.