

5.2 Saran

1. Perlu adanya *Controlling* temperatur lebur dan proses penuangan ke cetakan agar hasil pengecoran dapat lebih baik dan minim Porositas atau Cacat
2. Penelitian ini dapat dilanjutkan dengan mengubah variasi %Si yang lebih tinggi.

DAFTAR PUSTAKA

- [1] Rasyid S, Arif E, Arsyad H, and Syahid M. "Effects of stirring parameters on the rheocast microstructure and mechanical properties of aluminum alloy ADC12". in MATEC Web of Conferences 2018, 12004-197
- [2] Pridgeon, John W. 1988. *ASM Handbook Volume 15 Casting*. 1992: ASM Handbook Committee
- [3] Campbell, John. 2003. *Castings*. 1991. Britania Raya: Butterworth-Heinemann
- [4] Aji P. 2018. Pengaruh Kadar Air Pada Pasir Cetak Mikro , Dan Kekerasan Pengecoran Aluminium Bekas.
- [5] Totten, George E. D. Scott MacKenzie. 2003. *Handbook of Aluminum Volume 7 Physical Metallurgy and Processes*. 270 Madison Avenue, New York, United States.
- [6] Callister, William D. 2011. *Mechanical Science and Engineering eight edition*. 1940. United States of America : John Wiley
- [7] Chiang KT, Liu NM, Tsai TC. 2019. Modeling and analysis of the effects of processing parameters on the performance characteristics in the high pressure die casting process of Al–Si alloys. *Int J Adv Manuf Technol* 2009; 41:1076–84
- [8] Bernard Noventio Sutrisno, 2018. Pengaruh Bifilm Terhadap Respon *Artificial Aging* Paduan Aluminium ADC12, Institut Teknologi Sepuluh Nopember.

- [9] Eko Boedisoesetyo, 2016. NILAI KOEFISIEN Pengerasan Regangan dan Anisotropi Normal Tembaga, Teknik Mesin Polines.
- [10] Unknown, 2019. MEKANISME *STRAIN HARDENING* (Pengerasan Regangan)
- [11] ASTM International, ASTM B557M-15. *Standard Test Methods for Tension Testing Wrought and Cast Aluminum-and Magnesium-Alloy Products (Metric)*
- [12] Budiman H. 2016. *Analisis Pengujian Tarik*. [Jurnal]. <https://ejournal.unsrat.ac.id/index.php/poros/article/viewFile/2990/2535>
- [13] ASM Metals Handbook Vol.9. (2004). *Metallography and Microstructures*. ASM International Handbook Committee. USA.
- [14] Ratih Ponco K.S., Erwin Siahaan, dan Yuliusman. "PENGARUH UNSUR SILIKON PADA ALUMINIUM ALLOY (Al – Si) TERHADAP SIFAT MEKANIS DAN STRUKTUR MIKRO." POROS - E-journal Untar, 2017.
- [15] Rainaldi Pranata. "Pengaruh Kadar Silikon Terhadap Karakteristik Material Aluminium Sekrap Hasil Remelting." Universitas Negeri Semarang Repository, 2020.
- [16] Teguh Prasetyo, Dwi Agus Sudjatmiko, dan Dwi Siswanta. "Analisis Penambahan Silikon Terhadap Sifat Mekanik dan Struktur Mikro pada Paduan Aluminium Silikon Magnesium (Al - Si - Mg)." ITS Repository, 2016.