

## DAFTAR PUSTAKA

- American Society For Testing And Materials.(1997). *Standard Test Method For Vickers Hardness Of Metallic Materials*. ASTM, E92-82.
- American Society For Testing And Materials.(1997). *Standard Test Method For Vickers Hardness Of Metallic Materials*. ASTM, E92-82.
- American Society For Testing And Materials.(1997). *Standard Test Method For Vickers Hardness Of Metallic Materials*. ASTM, E92-82.
- Brown, J.R., (1994). *Foseco Non - Ferrous Foundryman's Handbook*, 11th edition, Butterworth Heinemann..
- Calister, W. D. (1991) . *Material Science and Engineering an Introduction*. Jhon Wiley and Son Inc: Newyork
- Cardarelli, F. (2008). *Materials Handbook: A Concise Desktop References 2nd Edition*. London: Springer.
- D.M. Adss. (2015). *Effect Of Cooling Slope Casting Parameters On The Thixotropic Microstructure Of A356 Aluminum Alloy*.
- Dieter, G.E.,Djaprie. (1990). *Metalurgi Mekanik, Jilid I Edisi ke-3*. Jakarta. PT Erlangga
- Djunaidi, R., N, S. Z., & Yakub, H. (2018). *Analisa Pengaruh Jarak Katoda Anoda Pada Elektroplating Aluminium Terhadap Laju Korosi*. TEKNIKA, 145-159.
- Frazier, William. Benci, John. (1990). *Rapid Solidification Processing of Al3Ti and Al3Ti Plus Copper*. DTIC : ADA236600.
- Goldstein, Joseph I., Dale E. Newbury, Patrick Echlin, David C. Joy, Charles E. Lyman, Eric Lifshin, Linda Sawyer, Joseph R. Michael. 2003. *Scanning Electron Microscopy and X-Ray Microanalysis- Third Edition*. Springer New York, NY
- Gruzleski, J. and Closset, B. 1990. *The Treatment of Liquid Aluminium-Silicon Alloys*. American Foundrymens Society Inc, USA. 92-93 p

- Hatch, John E. (1995). *Aluminum Properties and Physical Metallurgy*. American Society for Metals : Metal Parks, Ohio.
- Ilhamdi, Fhaisal Pratama. (2020). *Pengaruh Penambahan Modifier dan Grain Refiner Terhadap Fluiditas dan Nilai Kekerasan pada Master Alloy Al-7%Si*. Diploma thesis, Universitas Andalas
- Iman Saefuloh, Agus Pramono, Willy Jamaludin, Imron Rosyadi, Haryadi. (2018). *Studi Karakterisasi Sifat Mekanik Dan struktur Mikro Material Piston Alumunium-Silikon Alloy*. Flywheel:Jurnal Teknik Mesin Untirta,vol IV,no.2, hal 56-62
- John Campbell's. 2005. *Ten Rules for Making Reliable Castings*, Journal of Metals.
- Karthik V.Shankar, Meera. Balachandran, Bharath. S. Pillai, S.R.Krishnanunni, N.S.Harikrishnan, A.R.Harinarayanan, Vaishnav S.Kumar. (2021). *Influence of T6 Heat Treatment Analysis on the Tribological Behaviour of Cast Al-12.2Si-0.3 Mg-0.2Sr Alloy Using Response Surface Methodology*. Journal of Bio-and Tribo-Corrosion
- Kaufmann, Gilbert J.; Rooy, Elwin L. (2005). *Aluminium Alloy Casting : Properties, Process, and Applications*. Ohio : ASM International ( The MaterialsInformation Society).
- Low State SEM Homepage. (2012). Lowa State University in Radiological & Enviromental Management. September 13, 2022. <https://www.purdue.edu/ehps/rem/laboratory/equipment%20safety/Research%20Equipment/sem.html>
- Metallurgy Aluminum. (1998). *Modification of Aluminium Silicon Foundry Alloys*. (n.d). London and Scandinavian Metallurgical
- Nanda, Prima. (2014). *Pengaruh Penambahan Fe terhadap Sifat Mekanik dan Struktur Mikro pada Paduan Aluminium 7% Silikon (Al-7%Si)*. Proceeding Seminar Nasional Tahunan Teknik Mesin XIII (SNTTM XIII). Teknik Mesin Universitas Andalas Padang
- Polmear, I.J. (2006). *Light Alloys: Metallurgy of yhe Light Metals. Fourth Edition*. Oxford: Butterworth-Hienemann.
- R.B.C. Cayless. (1990). *Alloy and Temper Designation System for Aluminum and Aluminum Alloys*, in: ASM Handbook, Vol. 2 Prop. Sel. Nonferrous Alloy. Spec. Mater., ASM International, pp. 15–28. doi:10.1361/asmhba0001058

- Rao, A. K. Prasada et al. *Improvement in tensile strength and load bearing capacity during dry wear of Al-7Si alloy by combined grain refiner and modification. Journal of Material Science and Engineering 2005 A 395*
- S. Sun, B. Yuan, and M. Liu. (2012). *Effects of moulding sands and wall thickness on microstructure and mechanical properties of Sr-modified A356 aluminum casting alloy*. Transactions of Nonferrous Metals Society of China, vol. 22, no. 8, pp. 1884–1890, Aug. 2012, doi: 10.1016/S1003-6326(11)61402-7.
- Saefulloh, Iman. (2017). *Studi Analisa Kuat Arus Proses Elektroplating Dengan Pelapis Nikel Cobalt Terhadap Kekerasan, Keahanan Korosi, dan Penambahan Tebal Baja Karbon Rendah ST 41*. Jurnal Teknik Mesin Untirta.
- Siswanto, Budiarto D, Hernowo Widodo. (2019). *Analisis Pengaruh Penambahan Strontium Terhadap Sifat Mekanik dan Struktur mikro Pada Paduan Al90,28Si6, 42Cu2, 66Fe0, 67*. Jurnal Kajian Ilmiah. Universitas Bhayangkara Jakarta Raya
- Sudjana, Hardi, (2008). *Teknik Pengecoran*, Jilid 1, Direktorat Sekolah Menengah Kejuruan, Jakarta.
- Suharno, B., Nanda, I.P., Harjanto, S. And Lirachandra, E. 2007. *The Influence of Grain Refiner Effect on Dendrite Arm Spacing of Aluminum ADC 12*, Indonesian Journal of Materials Science, 8 (2): 121-124.
- Suherman, Sarjianto Nisfan Bahri, Ilmi, Ali Sai'in. (2021). *Penambahan Sr pada Aluminium Paduan A356 dengan Metode Lost Foam Casting (LFC)*. Jurnal Rekasaya Mesin Politeknik Negeri Semarang, vol.16, No.2,hal.249-254
- Suherman. *Buku Pengecoran Logam (Metode Evaporative)*. Deepublish, 2019
- Sundari, E. (2011). *Rancang Bangun Dapur Peleburan Aluminium Bahan Bakar Gas. Austenit*
- Surdia, T; Saito, S. 1999. *Pengetahuan Bahan Teknik*, Cetakan ke-4. Jakarta: PT.Pradnya Paramita
- Surono. (2017). *Frekuensi Alami dan Mode Shape Plat Laminat Terdelaminasi dengan Eksperimen dan Simulasi*
- Totten, G. E., dan MacKenzie, D. S., (2003). *Handbook of Aluminium Volume 1 Physical Metallurgy and Processes*, Marcel Dekker Inc., New York
- W. Zhang, S. Ma, Z. Wei, P. Bai. (2019). *Materials* 12, 3222

- Wendi, Septian. (2019). *Pengaruh Penambahan Grain Refiner AlTiB dan Modifier Strontium pada AlMgSi Terhadap Nilai Fluiditas dengan Metoda Spiral*. Diploma Thesis, Universitas Andalas.
- West Charles. E. Grubach Thomas. E. (1998). (Aluminum Company of America), *Chapter on Permanent Mold casting*, ASM Metals Hand Book, Volume 15 – Castings Fourth Printing, March.
- Zaki, (2003) dan Schwarz, (2004). *Paduan aluminium*
- Zolotarevsky, V.S., Nikolai, A.B., Glazoff, M.V., (2007). *Casting Aluminium Alloys*, Moscow.Elsevier
- .....ASM Handbook Vol 9. (2004). *Metallography And Microstructure*, ASM International.
- .....ASM Handbook. (2000). “*Introduction to Aluminum Alloys and Tempers*”, ASM International.
- .....ASM Handbook. (1988). *Casting. ASM International Volume 15*. Metal Park, Ohio.
- .....ASM Handbook. (2001). *Alloying: Understanding the Basics*, J.R.Davis, Ed., ASM International, p351-416.
- .....ASTM E3-95, *Standard Practice for Preparation of Metallographic Spesimens*.
- .....ISO 6507-4, *Metallic materials — Vickers hardness test — Part 1: Test Method*