

DAFTAR PUSTAKA

- ASTMA E407-99 “Standard Practice for Microetching Metals and Alloys1”
ASTM E112-10.“Standard Test Method for Determining Average Grain Size”
- Arto, Budi., Turnip, Kimar., (2015) Pengaruh *quenching* dan media pendingin terhadap sifat fisis dan mekanis baja paduan Fe_{97,99}Mn_{1,60}C_{0,41}. *Teknoin Vol. 21, No. 4, Desember 2015, 191-199.*
- Bhaskar, Chandra kandpal., Singh, Hari., Kumar, Jatinder., (2014) Production technologies of metal matrix composite-A review. *ResearcGate*
- Boerner, Benji., Reich, Stephanie (2017) Composites of aluminium alloy and magnesium alloy with graphite showing low thermal expansion and high specific thermal conductivity. *Science and technology of advance materials, 2017 Vol. 18, No. 1, 180-186.*
- B.V. Madhu, K., Pralhada Rao, K., Girish, D.P. (2012) Investigation of effect of thermal stress and thermal expansion behavior of Al/Al₂O₃ metal matrix composites. *Bonfring international journal of industrial engineering and management science, vol. 2, No. 4, December 2014.*
- Callister, William D., dkk. (1994) *Fundamentals Material science and engineering (an introduction), Fifth Ed. John Wiley and Son, Inc., 2001, New York.*
- Chennakesava Reddy, A., Rajanna, C. H., (2009) *Design of Gravity Die Casting Process Parameters of Al-Si-Mg Alloys. Journal of Machining and Forming Technologies, Nova Science Publishers, Inc.*
- Ferdiaz Dinov, (2012)“Pengaruh Variasi Media Pendingin Terhadap Kekerasan dan Strukturmikro Hasil *Remelting* Al-Si Bersbasis Piston Bekas dengan Perlakuan *Degasing*.” Fakultas Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret Surakarta.
- Haboglu, M. R., Kursun, A., Aksoy, S, (2014) Thermal Elastic Stress Analysis of Steel Fiber Reinforced Aluminium Composites. World Academy of Science, Engineering and Technology. International Journal of Aerospace and Mechanical Engineering. Vol:8, No:2, 2014.
- Mangonon, Pat L., (1999) *The Principles of Materials Selection for Engineering Design. 4.3 Concepts of Stress, Strain and Young’s Modulus. Florida Institute of Technology Melbourne, Florida 32901 : Prentice-Hall International, Inc.*

- Matondang, D. Y., Tugiman, (2015) Simulasi *Thermal Stress* Pada *Tube Superheater* yang Digunakan Pada Pembangkit Uap Mini (*Mini Steam Generator*) Menggunakan ANSYS 14,5. Jurusan Teknik Mesin Sekolah Tinggi Teknik Harapan.
- Nafi, M., Jani, M.A., Hastijanti, R., Parinov, I.A., Chang, S.H. (2017), "The Application of Bottom Ash Reinforced Aluminum Metal Matrix Composite for Motorcycle Disc Brake". Proceeding of International Conference on Physics and Mechanics of New Materials and Their Applications 2017, hal. 631-635. Springer, Cham.
- Nafi, M. dan Wahid, I. (2018), "Effect of T6 Heat Treatment on Mechanical Properties of Coal Ash-Aluminum Composite as Brake Disk Holder Component". Buku Prosiding Seminar Nasional Tahunan Teknik Mesin (SNTTM) ke XVI 2017. MT-03 hal. 12-14. Institut Teknologi Sepuluh Nopember Surabaya.
- Nanjayyanmath, Niranjana., Sughandi, Raghavendra., Balanayak, Santos., (2014) Mechanical properties of fly ash reinforced aluminium 6061 composite. *IOSR Journal of mechanical and civil engineering (IOSR-JMCE)* PP. 55-59.
- Rahadian Chrisna Samudra., Harjo Seputro., Dkk (2017) *Thermal Characteristics of Matrix Composites of Aluminium-Ash Base Coal after T6 Heat Treatment*. Fakultas Teknik Program Studi Teknik Mesin Universitas 17 Agustus 1945 Surabaya.
- Sekar, K., K. Allesu., Joseph, M.A., (2014) *Effect of T6 heat treatment in the microstructure and mechanical properties of A356 reinforced with nano Al₂O₃ particles by combination effect of stir and squeeze casting*. *Procedia material science* 5 (2014) 444-453.
- Seputro, Harjo., Susanto, Juli., Santoso, Edi., (2016) Analisa Pengaruh Variasi Media Pendingin dan Waktu Aging Pada Perlakuan Panas T6 Terhadap Strukturmikro Komposit Aluminium Abu Dasar Batubara. Fakultas Teknik, Universitas 17 Agustus 1945 Surabaya.
- Sitorus, A.J., Firman Ady Nugroho., (2012). "*Thermomechanical Analysis (TMA) Tugas Mata Kuliah Karakterisasi Material dan Lab*". Fakultas Teknik Departement Metalurgi dan Material Universitas Indonesia Depok.
- Sugiyono(2013). *Metode Penelitian Pendidikan (Pendekatan Kuantitatif, Kualitatif, R & D)*. Penerbit CV. Alfabeta : Bandung.
- Sumber : muhammadavven.blogspot.com/2012/02/sifat-termal-bahan-fisika-material.html/

- Syamsidar . D (2015). “Studi Tentang Sifat Termal, Kuat Lentur dan Strukturmikro Keramik-Geopolimer Berbasis Metakaolin”. Fakultas MIPA Universitas Negeri Makassar.
- Wahid, I. dan Nafi, M. (2018), ”Study of Bottom Ash Reinforced Aluminum Metal Matrix Composite for Automotive Parts”, Journal of Materials Physics and Mechanics Volume 37 Issue 2, hal. 212-217, Peter the Great St. Petersburg Polytechnic University.
- Wahidmurni (2017). PEMAPARAN METODE PENELITIAN KUANTITATIF. Fakultas Ilmu Tarbiya dan Keguruan UIN Maulana Malik Ibrahim Malang.