

DAFTAR PUSTAKA

- [1] R. Bagus and S. Majanasastra, "Analisis Sifat Mekanik Dan Struktur Mikro Hasil Proses Hydroforming Pada Material Tembaga (Cu) C84800 Dan Aluminium Al 6063," 2016. [Online]. Available: <http://ejournal-unisma.net>
- [2] W. Anderson, H. Rudianto, and D. Haryadi, "Pengaruh Komposisi Cu Terhadap Sifat Mekanik Dan Stuktur Mikro Dari Pengecoran AL-SI," *J. Ilm. Teknol. dan Rekayasa*, vol. 23, no. 2, pp. 146–154, 2018, doi: 10.35760/tr.2018.v23i2.2464.
- [3] Y. HU, Y. qing CHEN, L. LI, H. dong HU, and Z. ang ZHU, "Microstructure and properties of Al/Cu bimetal in liquid–solid compound casting process," *Trans. Nonferrous Met. Soc. China (English Ed.)*, vol. 26, no. 6, pp. 1555–1563, 2016, doi: 10.1016/S1003-6326(16)64261-9.
- [4] W. E. Veerkamp, "Copper-to-aluminum transitions in high DC bus systems," *IEEE Trans. Ind. Appl.*, vol. 33, no. 4, pp. 1027–1034, 1997, doi: 10.1109/28.605745.
- [5] R. Newnham, "Properties of Materials: Anisotropy, Symmetry, Structure," 2005.
- [6] W. Y. Wang *et al.*, "Anomalous structural dynamics in liquid Al80Cu20: An ab initio molecular dynamics study," *Acta Mater.*, vol. 97, pp. 75–85, 2015, doi: 10.1016/j.actamat.2015.07.001.
- [7] P. Lall, S. Deshpande, L. Nguyen, and M. Murtuza, "Microstructural Indicators for Prognostication of Copper-Aluminum Wire Bond Reliability Under High-Temperature Storage and Temperature Humidity," *IEEE Trans. Components, Packag. Manuf. Technol.*, vol. 6, no. 4, pp. 569–585, 2016, doi: 10.1109/TCPMT.2015.2495164.
- [8] P. Manna *et al.*, "Experimental and Computational Study of Counterintuitive ClO4[−]⋯ClO4[−] Interactions and the Interplay between $\pi^+ - \pi$ and Anion[−]⋯ π^+ Interactions," *Cryst. Growth Des.*, vol. 14, no. 11, pp. 5812–5821, Nov. 2014, doi: 10.1021/cg5014126.
- [9] X. Li, M. Zheng, C. Ren, and L. Guo, "ReaxFF Molecular Dynamics

- Simulations of Thermal Reactivity of Various Fuels in Pyrolysis and Combustion,” 2021, doi: 10.1021/acs.energyfuels.1c01266.
- [10] T. J. Sampurno *et al.*, “Pengaruh Penambahan Unsur Tembaga (Cu) Terhadap Sifat Fisis Dan Mekanis Material Chassis Berbahan Dasar Limbah Aluminium Hasil,” *J. Tek. Mesin Univ. DIPONEGORO*, vol. 4, no. 1, pp. 48–55, 2016.
- [11] L. Vinet and A. Zhedanov, *A “missing” family of classical orthogonal polynomials*, vol. 44, no. 8. 2011. doi: 10.1088/1751-8113/44/8/085201.
- [12] R. C. Susila, A. Supriyanto, and M. V. Hermawan, “Sifat Mekanik Dan Struktur Mikro Komposit Alumunium Tembaga (Al-Cu) Dengan Variasi Komposisi,” *Teknika*, vol. 7, no. 4, pp. 228–235, 2022, doi: 10.52561/teknika.v7i4.216.
- [13] A. Supriyanto, S. A. Krisna, and M. V. Hermawan, “Eksperimen Variasi Ukuran Butir Dan Tekanan Kompaksi Campuran Al-Si Terhadap Densitas Dan Porositas Metode Metalurgi Serbuk,” *Teknika*, vol. 7, no. 3, pp. 108–115, 2022, doi: 10.52561/teknika.v7i3.179.
- [14] R. B. Frans, “Metalurgi Fisik (Physical Metallurgy),” no. 12, pp. 1–104, 2022, [Online]. Available: [https://repository.ukitoraja.ac.id/id/eprint/723/1/BUKU_AJAR_METALURGI_FISIKA_Frans_R._Bethony\[1\].pdf](https://repository.ukitoraja.ac.id/id/eprint/723/1/BUKU_AJAR_METALURGI_FISIKA_Frans_R._Bethony[1].pdf)
- [15] P. B. I. Pratama, “Jenis jenis alumunium,” 2024, [Online]. Available: https://www.google.com/url?sa=i&url=https%3A%2F%2Fbermutu.id%2Finformasi%2Fjenis-jenis-aluminium%2F&psig=AOvVaw0a_HERhTe7yBs9V5GGpT0i&ust=1735819460687000&source=images&cd=vfe&opi=89978449&ved=0CBQQjRxqFwoTCJDbjca91IoDFQAAAAAdAAAAABAE
- [16] Wikipedia, “Logam Tembaga murni,” 2024, [Online]. Available: https://www.google.com/url?sa=i&url=https%3A%2F%2Fid.wikipedia.org%2Fwiki%2FTembaga&psig=AOvVaw1nTgvTa9pkxOurdH_vThin&ust=1735820072181000&source=images&cd=vfe&opi=89978449&ved=0CBQQjRxqFwoTCJCAzuy_1IoDFQAAAAAdAAAAABAK

- [17] R. B. S. Majanasastra, "Analisis Sifat Mekanik Dan Struktur Mikro Hasil Proses Hydroforming Pada Material Tembaga (Cu) C84800 Dan Aluminium Al 6063," vol. 4, no. 2, pp. 15–30.
- [18] M. Properties, C. Fe, and N. Mn, "Effect of Heat Treatment Temperature on the Microstructure," 2024.
- [19] S. Malisy, "Pengaruh kecepatan putaran roll terhadap nilai kekuatan uji tarik dari penggabungan dua pelat A1100 dan A6061 pada proses Hot roll bonding," 2018, [Online]. Available: <http://repository.ub.ac.id/id/eprint/12729/>
- [20] S. Fisika, "Pengertian Tegangan, Regangan serta Bunyi Hukum Hooke," Sekitar Kita. Accessed: Dec. 19, 2024. [Online]. Available: <https://sekitarkita0.blogspot.com/2018/04/pengertian-tegangan-regangan-dan-hukum-hooke.html>
- [21] "“ Copy standar ini dibuat oleh BSN untuk Badan Penelitian dan Pengembangan Departemen Pekerjaan Umum dalam rangka Penyebarluasan, Pengenalan dan Pengaplikasian Standar, Pedoman, Manual (SPM) Bidang Konstruksi Bangunan dan Rekayasa Sipil ””.
- [22] T. Test, U. Tarik, U. Tekuk, and M. Design, "Analisa Pengaruh Variasi Kuat Arus Listrik Terhadap Kekuatan Tarik dan Tekuk pada Joint Aluminium Alloy 5083," vol. 1, pp. 42–47, 2018.
- [23] A. I. Wulandari, "Analisis Tegangan Regangan Pada Pelat Deck Dan Bottom Kapal Ferry Ro-Ro Menggunakan Finite Element Method," vol. 15, pp. 45–52, 2021.
- [24] William, "Materials Science and Eng.," *Mater. Sci. Eng. A*, vol. 42, no. 1, p. 181, 1980.
- [25] B. A. B. Ii and A. Kristal, "No Title," pp. 9–43, 2000.
- [26] P. Hartina, S. Wahyu, and A. Supriyanto, "Simulasi Dinamika Molekul Berbasis Kode LAMMPS untuk Mengkaji Titik Leleh Bahan Besi (Fe), Timbal (Pb) dan Aluminium (Al)," vol. 1, no. 2, 2020.
- [27] A. Gupta, C. Dahale, S. Maiti, and S. G. Srinivasan, "Development of an embedded-atom method potential of Ni-Mo alloys for electrocatalysis /

- surface compositional studies,” pp. 1–25.
- [28] S. Nosé, “Molecular Dynamics Simulations at Constant Temperature and Pressure,” *Comput. Simul. Mater. Sci.*, vol. 2384, no. 1980, pp. 21–41, 1991, doi: 10.1007/978-94-011-3546-7_2.
- [29] S. Nosé, “A molecular dynamics method for simulations in the canonical ensemble,” *Mol. Phys.*, vol. 100, no. 1, pp. 191–198, 2002, doi: 10.1080/00268970110089108.
- [30] C. Huang, C. Li, P. Y. K. Choi, K. Nandakumar, and L. W. Kostiuk, “A novel method for molecular dynamics simulation in the isothermal-isobaric ensemble,” *Mol. Phys.*, vol. 109, no. 2, pp. 191–202, 2011, doi: 10.1080/00268976.2010.513345.
- [31] C. S. Dias, “Molecular Dynamics Simulations of Active Matter using LAMMPS,” vol. 2, no. 2, pp. 1–9.
- [32] OVITO (Open Visualization Tool), “No Title.” [Online]. Available: https://www.ovito.org/docs/current/introduction.html?utm_source=chatgpt.com
- [33] puji rahayu, “AVOGADRO”, [Online]. Available: <https://ayu4ict.wordpress.com/aplikasi-kimia/avogadro/>
- [34] “Bulk metallic glasses: At the cutting edge of metals research,” *MRS Bull.*, vol. 32, no. 8, pp. 611–615, 2007, doi: 10.1557/mrs2007.121.
- [35] A. Inoue and A. Takeuchi, “Recent development and application products of bulk glassy alloys,” *Acta Mater.*, vol. 59, no. 6, pp. 2243–2267, 2011, doi: 10.1016/j.actamat.2010.11.027.