



DAFTAR PUSTAKA

- [1] S. N. Penelitian, A. Salam, D. Jurusan, T. Mesin, P. Negeri, and U. Pandang, “Rancang bangun mesin *cnc laser cutting* sebagai media pembelajaran 2),” pp. 173–178, 2020.
- [2] G. Halim and E. Budiyo, “Analisa kerja mesin *CNC laser cutting CO 2 2 Axis berbasis MACH3* pada variasi pemotongan,” vol. 3, no. 1, pp. 28–36, 2022.
- [3] B. Lesmana and G. Heryana, “Perancangan Sistem Kendali Mesin *CNC (Computer Numerical Control) laser Cutting CO2 2 Axis* Berbasis Arduino Uno,” vol. 2, no. 2, pp. 28–33.
- [4] PENGARUH DAYA DAN KECEPATAN LASER CO2 TERHADAP TINGKAT KEKASARAN PERMUKAAN DAN WARNA KAYU JABON (*Anthocephalus cadamba*. 2023.
- [5] B. Martana, Y. Djaya, and M. A. Lukmana, “Development of Plate Cutting *CNC with Laser Cutter and Stepper Motor*,” pp. 62–66, 2017.
- [6] Sugiarto, “Pengertian Mesin *CNC* Pengertian,” vol. 4, no. 1, pp. 1–23, 2016.
- [7] indotect, “Prinsip kerja mesin *CNC*, Jenis dan pengoperasiannya,” *indotectgroup*. <https://indotech-group.co.id/mesin-cnc/> (accessed Mar. 01, 2024).
- [8] T. J. et al James W, Elston D, “gambaran *CNC LASER CUTTING*,” *Andrew’s Dis. Ski. Clin. Dermatology.*, pp. 18–21, 20AD.
- [9] PT.kawanlama, “Cara Kerja *Laser Cutting* dan Keuntungannya,” *PT.kawan lama sejahtera*. <https://www.kawanlama.com/blog/tips/cara-kerja-laser-cutting> (accessed Mar. 01, 2024).
- [10] DEPRINTZ, “Perbandingan Mesin *Laser Jenis CO₂ Laser, YAG Laser dan FIBER Laser*,” *PT. Deprintz Sukses Sejahtera*. <https://deprintz.com/news/43/Berbagai-Jenis-Tipe-Mesin-Laser-Cutting-Marking-Engraving> (accessed Mar. 01, 2024).
- [11] V. No, J. Hal, M. E. Putra, and A. Pratama, “Perancangan Sistem Kontrol Tungku *Heat Treatment* Elektrik Berbasis Mikrokontroler,” vol. 2, no. 2, pp. 168–176, 2023.



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- [12] M. Jufrizal, Ilyas, and Marzuki, “Rancang Bangun Mesin *Cnc Milling* Menggunakan,” *J. Mesin Sains Terap.*, vol. 4, no. 1, pp. 58–63, 2020.
- [13] *lasergrbl*, “*lasergrbl*.” <https://lasergrbl.com/> (accessed Mar. 14, 2024).
- [14] machsupport, “*software mach3*.”
<https://www.machsupport.com/software/mach3/> (accessed Mar. 14, 2024).
- [15] *lightburn*, “*lightburn software*.” <https://modernweb.com/lightburn-software-vs-lasergrbl/> (accessed Mar. 14, 2024).
- [16]. Iswanto, Buku Diktat Mikrokontroler, Teknik Elektro Universitas Muhamadiyah Yogyakarta. 2015.
- [17] Tarmudi, “Kalibrasi Mesin *Cnc Router 3 Axis* Pada Sumbu X Y Dan Z,” no. 71, pp. 1–8.
- [18] M. Amala *et al.*, “PENGEMBANGAN PERANGKAT LUNAK SISTEM OPERASI MESIN MILLING CNC,” vol. 2, no. 3, pp. 204–210.
- [19] W. Ismaranatasia, B. Setiawan, and S. Subiyantoro, “Kendali Motor *Stepper* untuk Pergerakan Sumbu X, Y, Z pada 3D Printer Simetris Bilateral,” *J. Elektron. dan Otomasi Ind.*, vol. 8, no. 2, p. 66, 2021, doi: 10.33795/elk.v8i2.277.