

DAFTAR PUSTAKA

- [1] Camachem, "*Frequently Asked Questions About Ferric Chloride*," [Online]. Available: <https://camachem.com/en/blog/post/frequently-asked-question-about-ferric-chloride>. [Accessed: 04-Mar-2025].
- [2] Mama's Choice, "*Bahaya DEET pada Lotion Anti Nyamuk*," [Online]. Available: <https://mamaschoice.id/article/bahaya-deet/> [Accessed: 04-Mar-2025].
- [3] S. Supriyati, T. Pramuji, I. Saputro, dan L. R. Hidayati, "*Rancang Bangun CNC (Computer Numerical Control) untuk Pembuatan PCB Berbasis Arduino*," *Orbith*, vol. 19, no. 2, pp. 114–120, Jul. 2023.
- [4] M. R. A. Hasibuan, M. Muhaimin, dan S. Hardi, "*Rancang Bangun Mesin CNC Milling 3-Axis untuk Engrave PCB Berbasis Arduino Uno*," *Jurnal TEKTR0*, vol. 3, no. 1, pp. 40–47, Mar. 2019.
- [5] I. Malik, S. Effendi, dan S. Witjahjo, "*Rancang Bangun Mesin CNC Engraver Mini Sebagai Alat Bantu Pembelajaran*," *Jurnal Teknika*, vol. 13, no. 01, pp. 69–74, Jun. 2019.
- [6] Gnea GRBL Developers, "*grbl: An open source, embedded, high performance g-code parser and CNC milling controller*," GitHub Repository, 2016. [Online]. Available: <https://github.com/gnea/grbl>. [Accessed: 04-Mar-2025].
- [7] - Handson Technology, "*775 Ball Bearing DC Motor: Data Specifications*," [Online]. Available: <https://handsontec.com/dataspecs/775-Motor.pdf>. [Accessed: 14-Apr-2025].
- [8] Rajguru Electronics, "*CNC shield for A4988*," rajguruelectronics.com, [Online]. Available: <https://rajguruelectronics.com>. [Accessed: 14-Apr-2025].
- [9] Trinamic Motion Control GmbH & Co. KG, *TMC2209 Datasheet – SilentStepStick Series*, Rev. 1.09, Hamburg, Germany, 2020.

- [10] NINGBO LEISON MOTOR CO., LIMITED, *17HS Hybrid Stepper Motor Datasheet*, [Online]. Available: <https://www.alldatasheet.com>. [Accessed: 14-Apr-2025].
- [11] D. Kharisma, “*Cara Setting Vref TMC2209 Tanpa UART*,” YouTube, Jul. 21, 2023. [Online]. Available: <https://youtu.be/VcyGzXIZm58?si=Y5FS7uIOpocfYHY6>. [Accessed: 02-May-2025].
- [12] GRBL Developers, “*grbl: An open source, embedded, high performance g-code-parser and CNC milling controller written in optimized C*,” GitHub Repository. [Online]. Available: <https://github.com/grbl/grbl>. [Accessed: 07-May-2025].
- [13] Arduino, “*Arduino UNO R3*,” Arduino Documentation, [Online]. Available: <https://docs.arduino.cc/hardware/uno-rev3/>. [Accessed: 07-May-2025].
- [14] Arduino, “*Arduino Nano*,” Arduino Documentation, [Online]. Available: <https://docs.arduino.cc/hardware/nano/>. [Accessed: 07-May-2025].
- [15] Components101, “*5V Single Channel Relay Module – Pinout, Features, Applications & Working*,” Components101.com. [Online]. Available: <https://components101.com/switches/5v-single-channel-relay-module-pinout-features-applications-working-datasheet>. [Accessed: 19-May-2025].
- [16] DickyBMZ, “*Design PCB Menggunakan Cadsoft Eagle*,” dickybmz.com, Jun. 24, 2017. [Online]. Available: <https://www.dickybmz.com/2017/06/design-pcb-menggunakan-cadsoft-eagle.html>. [Accessed: 19-May-2025].
- [17] Solo Abadi, “*8 Macam Jenis Mesin CNC yang Perlu Kamu Tahu*,” SoloAbadi.com. [Online]. Available: <https://soloabadi.com/8-macam-jenis-mesin-cnc-yang-perlu-kamu-tahu/>. [Accessed: 19-May-2025].
- [18] TechTarget, “*What is a printed circuit board (PCB)?*,” TechTarget WhatIs. [Online]. Available: <https://www.techtarget.com/whatis/definition/printed-circuit-board-PCB>. [Accessed: 24-May-2025].

- [19] Indotech Group, “*Tabel G-Code pada Mesin CNC Milling*,” Indotech Group. [Online]. Available: <https://indotech-group.co.id/tabel-g-code-pada-mesin-cnc-milling/>. [Accessed: 11-Jun-2025].
- [20] Indotech Group, “*Tabel M-Code pada Mesin CNC Milling*,” Indotech Group. [Online]. Available: <https://indotech-group.co.id/tabel-m-code-pada-mesin-cnc-milling/>. [Accessed: 11-Jun-2025].
- [21] GRBL Community, “*GRBL Serial Buffer Issue #302*,” GitHub Issues. [Online]. Available: <https://github.com/gnea/grbl/issues/302>. [Accessed: 04-Jul-2025].
- [22] S. Jeon, “*Grbl: How it works and other thoughts...*,” One Hoss Shay, Aug. 21, 2011. [Online]. Available: <https://onehossshay.wordpress.com/2011/08/21/grbl-how-it-works-and-other-thoughts/>. [Accessed: Jul. 29, 2025].
- [23] GitHub, “*max step frequency of GRBL Atmega328p #41*,” GitHub Issues. [Online]. Available: <https://github.com/grbl/grbl/issues/41>. [Accessed: Jul. 29, 2025].