

DAFTAR PUSTAKA

- Alatproyek.id. (2026). *Penggaris siku besi Krisbow 30 cm try square*. Diambil dari <https://alatproyek.id/penggaris-siku-besi-krisbow-30-cm-try-square.html/>
- Bird, R. B., Stewart, W. E., & Lightfoot, E. N. (2002). *Transport phenomena* (2nd ed.). John Wiley & Sons.
- Bruin, S., Zuilichem, D. J., & Stolp, W. (1978). A review of fundamental and engineering aspects of extrusion of biopolymers in a single-screw extruder. *Journal of Food Process Engineering*, 2(1), 1–37.
- Budynas, R. G., & Nisbett, J. K. (2011). *Shigley's mechanical engineering design* (9th ed.). McGraw-Hill Education.
- Çengel, Y. A., & Ghajar, A. J. (2015). *Heat and Mass Transfer: Fundamentals and Applications* (5th ed.). New York: McGraw-Hill Education.
- Dhaka, V., Singh, S., Anil, A. G., Naik, T. S. S. K., Garg, S., Samuel, J., Kumar, M., Ramamurthy, P. C., & Singh, J. (2022). Occurrence, toxicity and remediation of polyethylene terephthalate plastics: A review. *Environmental Chemistry Letters*, 20, 1777–1798.
- Edeleva, M., Van Steenberge, P. H. M., Sabbe, M. K., & D'hooge, D. R. (2023). Molecular scale-driven upgrading of extrusion technology for sustainable polymer processing and recycling. *Current Opinion in Green and Sustainable Chemistry*, 41, 100848.
- Fox, R. W., McDonald, A. T., & Pritchard, P. J. (2011). *Introduction to fluid mechanics* (8th ed.). John Wiley & Sons.

- Fujiyama Power Tools. (2026). *Mesin gerinda tangan AG9007*. Diambil dari <https://fujiyamapowertools.com/produk/ag9007/>
- Gandhi Mallela, G. (2018). Thermal efficiency analysis of industrial heating systems.
- Geyer, R., Jambeck, J. R., & Law, K. L. (2017). Production, use, and fate of all plastics ever made. *Science Advances*, 3(7), e1700782.
- GMT. (2026). *Mesin potong plat / mesin shearing hydraulic guillotine*. Diambil dari <https://gmt.co.id/product/mesin-potong-plat-mesin-shearing-hydraulic-guillotine/>
- Halmos, A. L., Pearson, J. R. A., & Trottnow, R. (1976). Melting in single screw extruders. *Polymer*, 17(9), 751–756.
- Kalpakjian, S., & Schmid, S. R. (2014). *Manufacturing processes for engineering materials* (5th ed.). Pearson.
- Kasyafullah, M. S., & Suryaman. (2023). Penguatan kebangsaan melalui produk rancang bangun mesin pencacah plastik single shaft skala rumah tangga. *Jurnal Kebangsaan RI*, 1(1), 19–29.
- Kementerian Lingkungan Hidup dan Kehutanan. (2024). *KLHK Ajak Masyarakat “Gaya Hidup Minim Sampah” Dalam Festival LIKE 2*.
- Khurmi, R. S., & Gupta, J. K. (2005). *A Textbook of Machine Design*. New Delhi: Eurasia Publishing House.
- Kreyszig, E. (2011). *Advanced engineering mathematics* (10th ed.). John Wiley & Sons.
- LFC Indonesia. (2026). *Mengenal fungsi dan jenis mesin milling (mesin frais)*. Diambil dari <https://www.lfc.co.id/blog/detail/mesin-milling>
- Linseis, "Polyethyleneterephthalate PET - an in-depth investigation," *Linseis Thermal*

- Analysis*. [Online]. Available: [suspicious link removed]. [Accessed: Jul. 14, 2026].
- Luker, K. (2012). Single-screw extrusion: Principles. In *Encyclopedia of polymer science and technology*. Wiley.
- Lynch, K., Marchuk, N., & Elwin, M. (2016). Gearing and motor sizing. In *Embedded computing and mechatronics with the PIC32 microcontroller* (pp. 427–437).
- Machineseeker. (2026). *Emco Maximat Super 11*. Diambil dari <https://www.machineseeker.id/emco-maximat+super+11/i-20369265>
- Magnific. (2026). *Desain pengukuran di atas ilustrasi vektor latar belakang abu-abu*. Diambil dari https://www.magnific.com/idn/vektor-premium/desain-pengukuran-di-atas-ilustrasi-vektor-latar-belakang-abu-abu_3478512.htm
- Megalingam, A., Ahmad, A. H. B., Maarof, M. R. B., & Sudhakar, K. (2022). Viscosity measurements in semi-solid metal processing: Current status and recent developments. *The International Journal of Advanced Manufacturing Technology*.
- Mount, E. M. (2017). Extrusion processes. In *Plastics engineering* (pp. 293–336). William Andrew Publishing.
- Nur, I., Nofriadi, & Rusmardi. (2014). Pengembangan Mesin Pencacah Sampah/Limbah Plastik dengan Sistem Crusher dan Silinder Pemotong Tipe Reel. In *Seminar Nasional Sains dan Teknologi 2014*. Jakarta: Fakultas Teknik Universitas Muhammadiyah Jakarta.
- Olagunju, O. (2024). Relating the volumes of rectangular and conical frustums. *Sustaine*.
- Osswald, T. A., & Menges, G. (2012). *Material science of polymers for engineers* (3rd

- ed.). Hanser Publishers.
- Pahl, G., Beitz, W., Feldhusen, J., & Grote, K.-H. (2007). *Engineering design: A systematic approach* (3rd ed.). Springer.
- Pratama, O. Y., & Kurniawan, W. D. (2021). Rancang bangun mesin pengisi dan penakar jamu semi otomatis berbasis timer dan sensor ultrasonik. *JRM*, 6(2), 25–35.
- Prayogo, T. D. (2020). *Rancang bangun mesin pembuat biji plastik dengan kapasitas 1,5 kg/jam* (Skripsi, Universitas Islam Indonesia).
- PrimaPlastindo. (2025). *BIJI PLASTIK PET: Panduan teknis produksi preform yang efisien untuk botol AMDK*. PrimaPlastindo. Diakses dari <https://primaplastindo.co.id/2025/08/biji-plastik-pet-panduan-teknis-produksi-preform-yang-efisien-untuk-botol-amdk/>
- Purwanto, S., & Hikmah, D. (2023). Pemanfaatan Limbah Plastik Menjadi Biji Plastik Yang Bernilai Tambah Ekonomi Di Kelurahan Dadap Tangerang. *DEDIKASI*, 2(1), 171–181.
- Ramadhan, M. F., Aripin, & Noubnome, V. (2023). Analisa pengaruh variasi nilai air fuel ratio (AFR) terhadap prestasi mesin. *Jurnal Kajian Teknik Mesin*, 8(1), 131–140.
- Rauwendaal, C. (2001). *Polymer Extrusion* (4th ed.). Munich: Hanser Publishers.
- Rauwendaal, C. (2014). *Polymer extrusion* (5th ed.). Hanser Publishers.
- Santos, I.R., et al. (2009). On the importance of size of plastic fragments and pellets on the strandline: A snapshot of a Brazilian beach. *Environmental Monitoring and Assessment*.
- Sing Berkah Shop. (2024). *Rekomendasi ragam meja kerja / vise bench*. Lemon8.

- Diambil dari [https://www.lemon8 app.com/@singberkahshop/](https://www.lemon8.app.com/@singberkahshop/)
- SIPLah Toko Ladang. (2026). *Alat las listrik / mesin las*. Diambil dari <https://siplah.tokoladang.co.id/produk/alat-las-listrik.3708101>
- Sholih, H., Kristanto, B. M., & Domodite, A. (2023). Perancangan transmisi roda gigi screw extruder. *Jurnal Terapan Teknik Mesin*.
- White, F. M. (2016). *Fluid mechanics* (8th ed.). McGraw-Hill Education.
- Yericsen, P., Mahmuddin, F., & Klara, S. (2023). Analisa efisiensi gearbox pada motor penggerak listrik kapal nelayan. *Jurnal Riset & Teknologi Terapan Kemaritiman*, 2(1), 26–32.