

DAFTAR PUSTAKA

- [1] T. Rochim, *Teori dan Teknologi Proses Pemesinan*. Bandung: Erlangga, 1993.
- [2] Kalpakjian, *Manufacturing Processes For Engineering Materials*, 5th ed. Pearson, 2008.
- [3] “Advantages and functions of cutting fluids in metal machining,” Santie Oil Company. Accessed: Feb. 20, 2025. [Online]. Available: https://santiemidwest.com/blog/advantages-and-functions-of-cutting-fluids-in-metal-machining/?srsrtid=AfmBOopLKM_hQC1zEUL5LU6lo2lwq0-VBT8QQvmQaxzFfTrAgqfVZzao
- [4] Q. Y. S Debnath, MM Reddy, “Environmental friendly cutting fluids and cooling techniques in machining,” *J. Clean. Prod.*, vol. 83, pp. 33–47, 2014, [Online]. Available: <https://doi.org/10.1016/j.jclepro.2014.07.071>.
- [5] I. A. Rahman and A. Purqon, “First Principles Study of Molybdenum Disulfide Electronic Structure,” *J. Phys. Conf. Ser.*, vol. 877, no. 1, 2017, doi: 10.1088/1742-6596/877/1/012026.
- [6] “CNC Machining Service : What is Molybdenum Disulfide (MoS₂) coating,” Shenzhen Ruixing MFG. Accessed: Jan. 25, 2025. [Online]. Available: <https://www.ruixing-mfg.com/ru/cnc-machining-service-what-is-molybdenum-disulfide-mos2-coating.html>
- [7] S. Husein, “Pengaruh Sudut Potong Terhadap Getaran Pahat dan Kekasaran Permukaan Pada Proses Bubut Mild Steel ST 42,” *Skripsi*, no. 28, pp. 1–45, 2015.
- [8] H. S. Pratama *et al.*, “Pengaruh Parameter Pemakanan Terhadap Kekasaran Permukaan ST 40 pada Mesin Bubut CNC,” *J. Rekayasa Mater. Manufaktur dan Energi*, vol. 1, no. 1, pp. 25–30, 2021, doi: 10.51804/tesj.v1i2.133.117-124.
- [9] R. S. Budi and H. Dwipayana, “Analisa Kekasaran Permukaan Material Baja ST37 Pada Proses Pembubutan Dengan Mesin Bubut BV-20,” *Teknika*, vol. 6, no. 2, pp. 248–256, 2020.
- [10] I. Fikri, “Pengaruh Pemberian Grease Dengan Aplikator Khusus Terhadap Kualitas Permukaan Produk Pada Proses Membubut,” 2022.
- [11] R. Poeng and F. P. Sappu, “Pengujian Kecepatan Cairan Pendingin Terhadap Kekasaran Permukaan Benda Kerja Pada Proses Bubut Knuth Dm 1000 a,” *J. Tekno Mesin*, vol. 7, no. 1, pp. 1–7, 2021, [Online]. Available: <https://ejournal.unsrat.ac.id/index.php/jtmu/index>
- [12] B. Aditya and A. Mahendra, “Pengaruh Kedalaman Dan Cairan Pendingin Terhadap Kekasaran Dan Kekerasan Permukaan Pada Proses Bubut Konvensional,” *J. Tek. Mesin*,

pp. 10–19, 2013.

- [13] S. Rugayyah, “Analisis Pengaruh Cairan Pendingin Terhadap Tingkat Kekasaran permukaan Pada Proses Pembubutan Material Baja St 42,” *Eprints Univ. Negeri Makassar*, pp. 1–35, 2020.
- [14] F. Atikah, I. P. Handayani, and M. Rosi, “Karakterisasi Sifat Optik dan Optoelektronik Pada Multilayer Molibdenum Disulfida(MoS₂),” *Nanoscale Adv.*, vol. 8, no. 5, pp. 5700–5708, 2021.
- [15] B. Çelik and A. Kaçal, “Experimental investigation on nano MoS₂ application in milling of EN-GSJ 700-02 cast iron with minimum quantity lubrication (MQL),” *J. Sci. Ind. Res. (India)*, vol. 79, no. 6, pp. 479–483, 2020, doi: 10.56042/jsir.v79i06.39511.
- [16] F. P. Netto, A. Antonio, U. De Moraes, and G. Ribatski, “the Effects of the Nanoparticle Concentration and Cutting Parameters on Surface Roughness in MQL Hard Turning Using MoS₂ Nanofluid,” *Fluids*, vol. 6, no. 398, pp. 1–15, 2021.
- [17] S. Gugulothu and V. K. Pasam, “Performance evaluation of CNT/MoS₂ hybrid nanofluid in machining for surface roughness,” *Int. J. Automot. Mech. Eng.*, vol. 16, no. 4, pp. 7413–7429, 2019, doi: 10.15282/ijame.16.4.2019.15.0549.
- [18] Sayuti Bin Ab Karim, “Application of Nano Base Lubricants in Machining Process for Performance Improvement Dissertation Submitted in Fulfillment of the Requirement for the Degree of Doctor of Philosophy Faculty of Engineering University of Malaya,” 2013.
- [19] RM. Ratlalan, “Pengaruh Putaran Spindle Speed Terhadap Keausan Pahat HSS Pada Proses Pembubutan Baja ST37,” *J. Din. Vokasional Tek. Mesin*, pp. 20–30, 2018.
- [20] “Span 40, Sorbitan Monopalmitate, Emulsifier S40, Span 60, Sorbitan Monostearate, Emulsifier S60,” Fengchen Group Co., LTD. [Online]. Available: <http://id.fengchengroup.org/chemicals/organic-chemicals/span-40-sorbitan-monopalmitate-emulsifier-s40.html>
- [21] Y. Abidi and L. Boulanouar, “Correlation Analysis between Tool Wear , Roughness and Cutting Vibration in Turning of Hardened Steel,” vol. 69, no. 4, pp. 403–421, 2021, doi: 10.24423/EngTrans.1263.20211210.
- [22] M. Saliba, J. P. Atanas, T. M. Howayek, and R. Habchi, “Molybdenum disulfide, exfoliation methods and applications to photocatalysis: a review,” *Nanoscale Adv.*, vol. 5, no. 24, pp. 6787–6803, 2023, doi: 10.1039/d3na00741c.

- [23] D. Gujarati and D. Porter, "Molybdenum Disulfide In Lubricant Applications," *Int. J. Automot. Mech. Eng.*, vol. 16, no. January, pp. 350–366, 2010.

