

DAFTAR PUSTAKA

- Advances in pin-on-disc testing for sliding wear. (2019). *Wear*, 426–427, 1–5.
<https://doi.org/10.1016/j.wear.2019.02.001>
- Archard, J. F. (1953). Contact and rubbing of flat surfaces. *Journal of Applied Physics*, 24(8), 981–988. <https://doi.org/10.1063/1.1721448>
- ASM Handbook. (2017). *Friction, lubrication, and wear technology* (Vol. 18). ASM International.
- Bastola, A., Stewart, D., & Dini, D. (2022). Three-dimensional finite element simulation and experimental validation of sliding wear. *Wear*, 504–505. <https://doi.org/10.1016/j.wear.2022.204402>
- Bhushan, B. (2013). *Introduction to tribology* (2nd ed.). John Wiley & Sons.
- Chen, G., Lu, X., Yan, J., Liu, H., & Sang, B. (2022). High-Temperature Deformation Behavior of M50 Steel. *Metals*, 12(4). <https://doi.org/10.3390/met12040541>
- Davis, J. R. (2000). *Nickel, cobalt, and their alloys*. ASM International.
- Hutchings, I. M., & Shipway, P. (2017). *Tribology: Friction and wear of engineering materials* (2nd ed.). Butterworth-Heinemann. <https://doi.org/10.1016/C2014-0-04657-0>
- Isworo, H., & Ansyah, P. R. (2018). *Buku Ajar Metode Elemen Hingga*. 68.
- Jiang, J., & Wang, Y. (2025). Comparative analysis of wear properties of 440C tool steel fabricated by spray forming and conventional casting. *Journal of Materials Engineering and Performance*. <https://doi.org/10.1007/s11665-025-11860-9>
- Jiang, Y., & Wang, L. (2021). Finite element analysis of sliding wear in steels under varying loads. *Tribology International*, 153, 106675. <https://doi.org/10.1016/j.triboint.2020.106675>
- KC, S., Nezhadfar, P. D., Phillips, C., Kennedy, M. S., Shamsaei, N., & Jackson, R. L. (2019). Tribological behavior of 17–4 PH stainless steel fabricated by traditional manufacturing and laser-based additive manufacturing methods. *Wear*, 440–441. <https://doi.org/10.1016/j.wear.2019.203100>
- Lai, P., Zhang, H., Zhang, L., Zeng, Q., Lu, J., & Guo, X. (2019). Effect of micro-

arc

oxidation on fretting wear behavior of zirconium alloy exposed to high temperature water. *Wear*, 424–425, 53–61.

<https://doi.org/https://doi.org/10.1016/j.wear.2019.02.001>

Lisiecki, A. (2019). Tribology and surface engineering. In *Coatings* (Vol. 9, Issue 10).

MDPI AG. <https://doi.org/10.3390/coatings9100663>

Liu, X., Zhang, W., & Chen, Y. (2022). High-temperature tribological performance of M50 bearing steel. *Materials Research Express*, 9(2), 26521.

<https://doi.org/10.1088/2053-1591/ac54d5>

Madier, D. (2020). *Practical Finite Element Analysis For Mechanical Engineers*.

Magarò, P., Furguele, F., Maletta, C., Tului, M., & Wood, R. J. K. (2023). *Wear*

Mechanisms of Cold-Sprayed Stellite-6 During Reciprocated Dry Sliding Under Different Sliding Speeds. *Journal of Thermal Spray Technology*, 32(8), 2336–2350. <https://doi.org/10.1007/s11666-023-01643-w>

Munadi, M. T. dan. (2007). *METODE ELEMEN HINGGA UNTUK PREDIKSI DEFORMASI BENDA KERJA DAN GAYA REAKSI DALAM SISTEM FIXTURE-BENDA KERJA*. 9(1), 42–46.

Nurisa, T. M. A. (2019). Analisa Pembebanan Dinamik Pada Bodi Pesawat Terbang

Dengan Simulasi Ansys 18.1. *Journal of Renewable Energy & Mechanics (REM)*, 2(01), 43–50. [https://doi.org/10.25299/rem.2019.vol1\(01\).2402](https://doi.org/10.25299/rem.2019.vol1(01).2402)

Patel, B. P., & Prajapati, J. M. (2011). A Review on FEA and Optimization of Backhoe Attachment in Hydraulic Excavator. *International Journal of Engineering and Technology*, 3(5), 505–511. <https://doi.org/10.7763/ijet.2011.v3.277>

Pinkus, O., & Sternlicht, B. (1991). *Theory of hydrodynamic lubrication*. McGraw-Hill.

Puli, R., & Janaki Ram, G. D. (2012). Microstructures and properties of friction surfaced coatings in AISI 440C martensitic stainless steel. *Surface and Coatings Technology*, 207, 310–318.

<https://doi.org/10.1016/j.surfcoat.2012.07.001>

Rodríguez Herrejon, V., Ruiz, A., Bedolla-Jacuinde, A., & Nadimpalli, V. K. (2025).

Comparative Analysis of Wear Properties of 440C Tool Steel Fabricated by Spray Forming and Conventional Casting. *Journal of Materials Engineering and Performance*. <https://doi.org/10.1007/s11665-025-11860-9>

Stachowiak, G. W., & Batchelor, A. W. (2014). *Engineering tribology* (4th ed.). Elsevier.

Sun, L., Yang, L., & Li, Y. (2021). Methods to test and generate the wear load spectrum of journal bearing in concrete pump. *Advances in Mechanical Engineering*, 13(4).

<https://doi.org/10.1177/16878140211007716>

Tandon, N., & Choudhury, A. (1999). A review of intelligent condition monitoring techniques for rolling element bearings. *Tribology International*, 32(8), 469–480. [https://doi.org/10.1016/S0301-679X\(99\)00077-8](https://doi.org/10.1016/S0301-679X(99)00077-8)

Tjong, W. F. (2021). Pengantar Metode Elemen Hingga. In *Journal of Physics A: Mathematical and Theoretical*. <https://doi.org/10.1088/1751-8113/44/8/085201>

Totten, G. E. (2007). *Steel heat treatment: Metallurgy and technologies*. CRC Press. <https://doi.org/10.1201/9781420014387>

Wulandari, A. I., Alamsyah, & Agusty, C. L. (2021). Analisis Tegangan Regangan Pada Pelat Deck Dan Bottom Kapal Ferry Ro-Ro Menggunakan Finite Element Method. *Wave: Jurnal Ilmiah Teknologi Maritim*, 15(1), 45–52.

<https://doi.org/10.29122/jurnalwave.v15i1.4782>

Wunda, S., Johannes, A. Z., Pingak, R. K., & Ahab, A. S. (2019). Analisis Tegangan ,

Regangan Dan Deformasi Crane Hook Dari Material Baja Aisi 1045 Dan Baja St 37 Menggunakan Software Elmer. *Jurnal Fisika : Fisika Sains Dan Aplikasinya*, 4(2), 131–137.

Yin, H., Wu, Y., Liu, D., Zhang, P., Zhang, G., & Fu, H. (2022). Rolling Contact Fatigue- Related Microstructural Alterations in Bearing Steels: A Brief Review. In *Metals* (Vol. 12, Issue 6). MDPI.

<https://doi.org/10.3390/met12060910>

Zhao, Y., Liu, C., & Wang, H. (2025). Microstructural refinement and wear resistance of spray-formed AISI 440C stainless steel. *Journal of Materials Processing Technology*, 312, 117743. <https://doi.org/10.1016/j.jmatprotec.2025.117743>

Zhu, Z., Ouyang, C., Qiao, Y., & Zhou, X. (2017). Wear Characteristic of Stellite 6 Alloy Hardfacing Layer by Plasma Arc Surfacing Processes. *Scanning*, 2017. <https://doi.org/10.1155/2017/6097486>