

DAFTAR PUSTAKA

- AHMADI, N. (2014). Pengaruh Deformasi Dingin Dan Surface Mechanical Attrition Treatment (Smat) Terhadap Kekerasan, Struktur Mikro, Dan Ketahanan Korosi Baja Tahan Karat Aisi 316l (Doctoral dissertation, Universitas Gadjah Mada).
- Biasibetti, G. R. D. S., Nunes, R. M., de Cesaro Cavaler, L. C., Vieira Braga Lemos, G., & Rocha, A. D. S. (2021). Turning parameters effects in residual stresses of AISI 1045 steel. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 235(9), 1498-1506.
- Callister Jr, W. D., & Rethwisch, D. G. (2014). *Fundamentals of Materials Science and Engineering*. John Wiley & Sons, Ltd.
- Cinar, K., Guven, I., & Ersoy, N. (2020). Effect of residual stress on the *bending* response of L-shaped composite laminates. *Composite Structures*, 112425.
- Diehl, C. A. T. S., Rocha, A. D. S., Epp, J., & Zoch, H. W. (2017). Experimental analysis of residual stresses in pre-straightened SAE 1045 Steel. *Materials Research*, 20, 1554-1562.
- Dieter, George, E, 1988, "Metalurgi Mekanik", Edisi ke 3, jilid 2, Erlangga, Jakarta
- Dumitru Daniel (2019)." Three Point Bend Test to Determine the mechanical Behavior of the Tuber used in Water Supply Networks".
- Domankova, M., Peter, M., dan Moravcik,R., The effect of cold work on the sensitization of austenitic stainless stells, *Original Scientific Article*, Vol.131 (2007)
- Fitzpatrick, M. E., Fry, A. T., Holdway, P., Kandil, F. A., Shackleton, J., & Suominen, L. (2005). Determination of residual stresses by X-ray diffraction.
- Ghazali, S., Algarni, M., Bai, Y., & Choi, Y. (2020). A study on the plasticity and fracture of the AISI 4340 steel alloy under different loading conditions and

considering heat-treatment effects. *International Journal of Fracture*, 225(1), 69-87.

Gladshstein, L. I., Larionova, N. P., & Belyaev, B. F. (2012). Effect of ferrite-pearlite microstructure on structural steel properties. *Metallurgist*, 56(7-8), 579-590.

Gonzales, Luis (2018) *Fractography and Failure Analysis Structural Integrity 3* Series Editors: José A. F. O. Correia · Abílio M. P. De Jesus Department of Engineering in Metallurgy and Materials Instituto Politécnico Nacional Mexico City

Hirsch, T. K., da Silva Rocha, A., & Menezes Nunes, R. (2014). Characterization of local residual stress inhomogeneities in combined wire drawing processes of AISI 1045 steel bars. *The International Journal of Advanced Manufacturing Technology*, 70, 661-668.

Jilleh, A. 2013. Microstructural and Mechanical Properties Investigation of TiC Reinforced Hardface Alloy Deposited on Mild Steel Substrate. *Trans Indian Inst Met.* 3.

Kaprina, A., Winarto, S., & Purnomo, Y. C. S. (2018). Analisa Produktifitas Alat Berat Pada Proyek Pembangunan Gedung Fakultas Syariah Dan Ilmu Hukum IAIN Tulungagung. *Jurnal Manajemen Teknologi & Teknik Sipil*, 1(1), 1-11.

Kato, M., Hasegawa, A., Sugyo, S., Nakamura, H., Kobayashi, M., & Morimoto, Y. (2014). *Straightening* technology of round bars using 2-roll rotary straightener. *Procedia Engineering*, 81, 233-238.

Kemenperin.go.id (2021).Penjualan Meningkat, Kemenperin Fokus Tingkatkan Produksi Alat Berat diakses pada tanggal 11 November 2022, dari <https://www.kemenperin.go.id/artikel/22864/Penjualan-Meningkat,-Kemenperin-Fokus-Tingkatkan-Produksi-Alat-Berat>

- Khamid Abdul (2011). Design of *Bending* Hydraulic System Test tquepment and materials Testing Result for cost Iron". Un- der graduate thesis D3 Teknik Mesin.
- Khatib, M. I., Ahmed, R. Z., Uddin, M. S., Rahman, M. A., Shareef, M. R., Akber, S., ... & Shaikh, S. (2020). Design and Fabrication of 5 Ton Hydraulic Press Machine.
- Kumar, S., & Prashanth, B. (2017). Design and fabrication of hydraulic press. *Int. J. Sci. Develop. Res*, 2(7), 227-230.
- Malage, A., Rege, P. & Rathod, M., 2015. Automatic quantitative analysis of microstructure of ductile cast iron using digital image processing. *Metall. Mater. Eng.*, 21(3), pp. 155-165.
- Milad, M., Zreiba, N., Elhalouani, F., & Baradai, C. (2008). The effect of cold work on structure and properties of AISI 304 stainless steel. *Journal of materials processing technology*, 203(1-3), 80-85.
- Nasr, M. N., Ng, E. G., & Elbestawi, M. A. (2007). Effects of strain hardening and initial *yield strength* on machining-induced residual stresses.
- Rodrigues, D. G., de Alcântara, C. M., de Oliveira, T. R., & Gonzalez, B. M. (2019). The effect of grain size and initial texture on microstructure, texture, and formability of Nb stabilized ferritic stainless steel manufactured by two-step cold rolling. *Journal of Materials Research and Technology*, 8(5), 4151-4162.
- Shanbhag, V. V., Meyer, T. J., Caspers, L. W., & Schlanbusch, R. (2021). Failure Monitoring and Predictive Maintenance of *Hydraulic cylinder*—State-of-the-Art Review. *IEEE/ASME Transactions on Mechatronics*, 26(6), 3087-3103.
- Shen, S. J., & Yang, Q. H. (2011). Analysis and solution of *hydraulic cylinder's* leakage problem. In *Advanced Materials Research* (Vol. 189, pp. 664-667). Trans Tech Publications Ltd.

- Skinner, L. (2018). *Hydraulic rig technology and operations*. Gulf Professional Publishing.
- Susri dan Ivan Hamonangan Pandiangan,. (2014). Pengaruh Masukan Panas Terhadap Struktur Mikro, Kekerasan Dan Ketangguhan Pada Pengelasan Shield Metal Arc Welding (Smaw) Dari Pipa Baja Diameter 2,5 Inchi. *Jurnal Dinamis* Vol.II,No.14, Januari 2014 ISSN 0216-7492 :16 – 21
- Susy Fatena Rostiyanti (2008) “Alat Berat Untuk Proyek Konstruksi”, Edisi Kedua, Jakarta: Bineka Cipta.
- Totten, G. E. (Ed.). (2002). *Handbook of residual stress and deformation of steel*. ASM international.
- von Mirbach, D. (2014). Four-Point *Bending* Tests to Study the So-Called Plasticity Effect on the Residual Stress Results Determined by the Hole-Drilling and Ring-Core Methods. In *Advanced Materials Research* (Vol. 996, pp. 319-324). Trans Tech Publications Ltd.
- Wang, C., Yu, G., Zhao, J., & Liu, W. (2022). Pure-Bend and Over-Bend *Straightening* Theory for In-Plane Curved Beams with Symmetrical Section and *Straightening* Mechanism Analysis. *Metals*, 12(8), 1362.
- Wang, K., Wang, B., & Yang, C. (2011). Research on the multi-step *straightening* for the elevator guide rail. *Procedia Engineering*, 16, 459-466
- Wirjosumarto, H dan Okumura, T. 2000. *Teknologi Pengelasan Logam*. PT. Pradnya Paramitha, Jakarta.
- Zhang, P. (2010). *Advanced industrial control technology*. William Andrew
- Zhang, Z. T., & Hu, S. J. (1998). Stress and residual stress distributions in plane strain *bending*. *International Journal of Mechanical Sciences*, 40(6), 533–543. doi:10.1016/s0020-7403(97)00075-1