

DAFTAR PUSTAKA

- Achyarsyah, M., & Hidayat, E. Analisis Sifat Mekanik Pada Material Aisi 4140 Dan Creusabro 8000 Untuk Aplikasi Gigi Bucket Produksi Pt. Polman Swadaya, 01 § (2014).
- Adachi, S., & Ueda, N. (2013). Surface hardness improvement of plasma-sprayed AISI 316L stainless steel coating by low-temperature plasma carburizing. *Advanced Powder Technology*, 24(5), 818–823. <https://doi.org/10.1016/j.apt.2012.12.011>
- Bottoli, F., Jellesen, M. S., Christiansen, T. L., Winther, G., & Somers, M. A. J. (2018). High temperature solution-nitriding and low-temperature nitriding of AISI 316: Effect on pitting potential and crevice corrosion performance. *Applied Surface Science*, 431, 24–31. <https://doi.org/10.1016/j.apsusc.2017.06.094>
- Dalke, A., Burlacov, I., Spies, H., & Biermann, H. (2018). Use of a solid carbon precursor for DC plasma nitrocarburizing of AISI 4140 steel. *Vaccum*, 149, 146–149. <https://doi.org/10.1016/j.vacuum.2017.12.033>
- Flis-Kabulská, I., Sun, Y., Zakroczymski, T., & Flis, J. (2016). Plasma carburizing for improvement of Ni-Fe cathodes for alkaline water electrolysis. *Electrochimica Acta*, 220, 11–19. <https://doi.org/10.1016/j.electacta.2016.10.084>
- Hamzah, M. S., & Iqbal, M. (2008). Peningkatan Ketahanan Aus Baja Karbon Rendah Dengan Metode Carburizing, 6(3), 169–175.
- Irwan, Y. (n.d.). Meningkatkan kekerasan permukaan sparepart lokal kendaraan bermotor dengan cara Karburasi Cair Karburasi.
- Karakan, M., Alsaran, A., & Çelik, A. (2004). Effect of process time on structural and tribological properties of ferritic plasma nitrocarburized AISI 4140 steel. *Materials and Design*, 25(4), 349–353. <https://doi.org/10.1016/j.matdes.2003.10.017>
- Kovaci, H., Yetim, A. F., Baran, O., & Çelik, A. (2016). Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 1-constant amplitude loading. *Materials Science and Engineering A*, 672, 257–264. <https://doi.org/10.1016/j.msea.2016.07.002>
- Li, S., & Manory, R. R. (1995). Effect of gas inlet positions on plasma carburizing of AISI 1020 steel. *Surface and Coatings Technology*, 71(2), 108–111. [https://doi.org/10.1016/0257-8972\(94\)01008-7](https://doi.org/10.1016/0257-8972(94)01008-7)
- Li, W., Li, X., & Dong, H. (2011). Effect of tensile stress on the formation of S-phase during low-temperature plasma carburizing of 316L foil. *Acta Materialia*, 59(14), 5765–5774. <https://doi.org/10.1016/j.actamat.2011.05.053>
- Li, Y., Wang, L., Zhang, D., & Shen, L. (2010). The effect of surface nanocrystallization on plasma nitriding behaviour of AISI 4140 steel. *Applied Surface Science*, 257(3), 979–984. <https://doi.org/10.1016/j.apsusc.2010.08.004>
- Lv, L., Fu, L., Ahmad, S., & Shan, A. (2017). Effect of heavy warm rolling on microstructures and mechanical properties of AISI 4140 steel. *Materials Science and Engineering A*, 704, 469–479. <https://doi.org/10.1016/j.msea.2017.07.089>

- Pan, X., Shi, C., Zhang, J., Jia, L., & Chong, L. (2018). Effect of inorganic surface treatment on surface hardness and carbonation of cement-based materials. *Cement and Concrete Composites*, 90, 218–224. <https://doi.org/10.1016/j.cemconcomp.2018.03.026>
- Raveh, A., Rubinshtein, A., Weiss, M., Mintz, M. H., Klemburg-Sapieha, J. E., & Martinu, L. (2004). Ta-C micro-composite material formed by heat treatment of plasma carburized layer. *Thin Solid Films*, 466(1–2), 151–157. <https://doi.org/10.1016/j.tsf.2004.03.017>
- Scheuer, C. J., Cardoso, R. P., Mafra, M., & Brunatto, S. F. (2013). AISI 420 martensitic stainless steel low-temperature plasma assisted carburizing kinetics. *Surface and Coatings Technology*, 214, 30–37. <https://doi.org/10.1016/j.surfcoat.2012.10.060>
- Semboshi, S., Iwase, A., & Takasugi, T. (2015). Surface hardening of age-hardenable Cu-Ti alloy by plasma carburization. *Surface and Coatings Technology*, 283, 262–267. <https://doi.org/10.1016/j.surfcoat.2015.11.003>
- Sengül, A. B., & Çelik, A. (2011). Effect of plasma nitriding on fatigue crack growth on AISI 4140 steel under variable amplitude loading. *Surface and Coatings Technology*, 205(21–22), 5172–5177. <https://doi.org/10.1016/j.surfcoat.2011.05.027>
- Setiadi, H., Studi, P., Teknik, M., Pascasarjana, S., & Surakarta, U. M. (2018). Analisis Struktur Mikro dan Sifat Mekanik Lapisan Ni Cr - Al yang dibentuk dengan Metode Sputtering pada Baja ST 40.
- Setiyana, B. (2008). Pengaruh teknologi sistem plasma lucutan pijar terhadap tingkat pengerasan permukaan logam. *Momentum*.
- SHI, Q., Roux, S., Latourte, F., Hild, F., Loisnard, D., & Brynaert, N. (2018). On the use of SEM correlative tools for in situ mechanical tests. *Ultramicroscopy*, 184, 71–87. <https://doi.org/10.1016/j.ultramic.2017.08.005>
- Souza, R. M., Ignat, M., Pinedo, C. E., & Tschiptschin, A. P. (2009). Structure and properties of low temperature plasma carburized austenitic stainless steels. *Surface and Coatings Technology*, 204(6–7), 1102–1105. <https://doi.org/10.1016/j.surfcoat.2009.04.033>
- Standards, A. I. A. B. of A., & Conshohocken, PA, U. S. (2003). Characterization of SiC p / Al Composites. *Annual Book of ASTM Standards, 3 [1] (2003) ASTM International, West Conshohocken, PA, United States.*, 61–88.
- Suh, B. S., & Lee, W. J. (1997). Surface hardening of AISI 316L stainless steel using plasma carburizing. *Thin Solid Films*, 295, 185–192. [https://doi.org/10.1016/S0040-6090\(96\)09284-X](https://doi.org/10.1016/S0040-6090(96)09284-X)
- Sujatno, A., Salam, R., & Dimyati Pusat Sains dan Teknologi Bahan Maju, A. (2015). Studi Scanning Electron Microscopy (Sem) Untuk Karakterisasi Proses Oxidasi Paduan Zirkonium. *Jurnal Forum Nuklir (JFN)*, 9(2), 44–50.
- Sun, Y. (2009). Response of cast austenitic stainless steel to low temperature plasma carburizing. *Materials and Design*, 30(4), 1377–1380. <https://doi.org/10.1016/j.matdes.2008.07.005>
- Suprapto, Sudjatmoko, & Sujitno, T. (2010). Pengaruh nitridasi plasma terhadap kekerasan aisi 304 dan baja karbon rendah. *J. Iptek Nuklir Ganendra Vol. 13 No. 2 Juli 2010: 93-100*, 13(2), 93–100.
- Suryanto, H. (2016). Pengaruh Suhu Karburasi Terhadap Ketebalan, Kekerasan dan Struktur Mikro Lapisan Karburasi Baja ST 37, (Augustus 2007).
- Tarwijayanto, D., Purwo Raharjo, W., & Triyono, T. (2013). Pengaruh Arus dan

- Waktu Pelapisan Hard Chrome Terhadap Ketebalan Lapisan dan Tingkat Kekerasan Mikro Pada Plat Baja Karbon Rendah AISI 1026 dengan Menggunakan CrO₃ 250gr/lt dan H₂SO₄ 2,5 gr/lt pada Proses Elektroplating. *Mekanika*, 11(Dc), 109–115. Retrieved from <http://jurnal.ft.uns.ac.id/index.php/mekanika/article/viewFile/136/129>
- Wang, E., Yang, H., & Wang, L. (2017). The thicker compound layer formed by different NH₃-N₂mixtures for plasma nitriding AISI 5140 steel. *Journal of Alloys and Compounds*, 725, 1320–1323. <https://doi.org/10.1016/j.jallcom.2017.07.281>
- Yang, Y., Yan, M. F., Zhang, Y. X., Zhang, C. S., & Wang, X. A. (2016). Self-lubricating and anti-corrosion amorphous carbon/Fe₃C composite coating on M50NiL steel by low temperature plasma carburizing. *Surface and Coatings Technology*, 304, 142–149. <https://doi.org/10.1016/j.surfcoat.2016.06.078>
- Yang Yang,a,b, M.F. Yana,• , S.D. Zhang,a, J.H. Guoa, S.S. Jiang,a, D.Y. Lib, • . (2018). Diffusion behavior of carbon and its hardening effect on plasma carburized M50NiL steel: Influences of treatment temperature and duration. *Surface & Coatings Technology*, 333, 96–103.