

DAFTAR PUSTAKA

- Ahmed, A.A., Mhaed, M., Basha, M., Wollmann, M., dan Wagner, L., 2015, The effect of shot peening parameters and hydroxyapatite coating on surface properties and corrosion behavior of medical grade AISI 316 L stainless steel, *Surface & Coating Technology*, Vol. 280, pp. 160-167.
- Arifvianto, B., Suyitno, Mahardika, M., Dewo, P., Iswanto, P. T., & Salim, U. A. (2011). Effect of surface mechanical attrition treatment (SMAT) on microhardness, surface roughness and wettability of AISI 316L. *Materials Chemistry and Physics*, 125(3), 418–426.
- Arifvianto, B., Suyitno, & Mahardika, M. (2012). Effects of surface mechanical attrition treatment (SMAT) on a rough surface of AISI 316L stainless steel. *Applied Surface Science*, 258(10), 4538–4543.
- Arifvianto, B., Pohan, G.A., Suyitno, Mahardika, M., 2012, Effect of slag ballblasting treatment on surface structure, roughness and wettability of 316LVM stainless steel, *Procedia Engineering*, Vol. 50, pp. 142-151.
- Amin, M.A., El-Bagoury, N., Saracoglu, M., Ramadan, M., 2014, Electrochemical and Corrosion Behavior of cast Re-containing Inconel 718 Alloys in Sulphuric Acid Solutions and the Effect of Cl-, *International Journal of Electrochemical Science*, 2014, Vol. 9, pp. 5352-5374.
- Agrawal, C. M., 1998, *Reconstructing the Human Body Using Biomaterials*.
- ASM Handbook, 2003, Volume 23, *Material for Medical Devices*, ASM International, Unites States of America.
- ASM Metal Handbook, 1994, Volume 5, *Surface Engineering*, ASM International, Unites States of America.
- ASM Metal Handbook, 2002, Volume 11, *Failure Analysis and Prevention*, ASM International, Unites States of America.
- ASM Metal Hanbook, 2000, Volume 8, *Mechanical Testing and Evaluation*, ASM International, Unites States of America.

- Bahri, A.S., 2016, Pengaruh Durasi dan Diameter Steel Ball pada Proses ShotPeening terhadap Sifat Fisis, Mekanis dan Pengaruh Media Korosif terhadap Ketahanan Korosi Material AISI 316 L, *Skripsi*, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Bagherifard, S., Slawik, S., Pariente, I. F., and Puly, C., 2016, Nanoscale Surface Modification of AISI 316L Stainless Steel by Severe Shoot Peening. *JMADE* 102, 68-77.
- Callister, W.D., 2000, *Fundamental of Materials Science and Engineering: An Interactive E-Text*, 5th ed., John Wiley & Sons, New Jersey.
- Chamberlain, J., 1991, *KOROSI, untuk Mahasiswa Sains dan Rekayasa*, PTGramedia Pustaka Utama, Jakarta.
- Cho, K.T., Song, K., Oh, S.H., Lee, Y.K., Lim, K.M., Lee, W.B., 2012, Surface hardening of aluminum alloy with by shot peening treatment Zn based ball, *Materials Science and Engineering A*, Vol. 543, pp. 44-49.
- Darmanto., 2010, Pengaruh implantasi ion nitrogen terhadap kekerasan permukaan stainless steel 316 L untuk aplikasi sendi lutut tiruan. *Prosiding Seminar Nasional UNIMUS*, 2010.
- Deliormanli, A.S., Guden, M., 2006, Microhardness and fracture toughness of dental materials by indentation method, *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, Vol.76, pp. 257-264.
- Dwijayanto, P., 2016, Pengaruh Durasi dan Diameter Steel Ball pada Proses Shot Peening terhadap Sifat Fisis, Mekanis dan Pengaruh Media Korosif terhadap Ketahanan Korosi Material AISI 304, *Skripsi*, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta..
- Gaguk, J., Malau, V., Ilman, M.N., Iswanto, P.T., 2011, Perbaikan Sifat KorosiBaja Tahan Karat AISI 410 Dengan Perlakuan Implantasi Ion TiN, *Jurnal Ilmiah Teknik Mesin Cakra M*, 5:14-19.
- Gusrita, D., Ratnawulan, Gusnedi, 2014, Pengaruh Viskositas Fluida Terhadap Sifat Hydrophobic dari Berbagai Macam Daun, *Pillar of Physics*, Vol.1, pp. 09-16.

- Hongxi, L., Xu Q., Jiang, Y., Wang, C., Zhang, X., 2012, Corrosion Resistance and Mechanical Property of AZ31 Magnesium Alloy by N/Ti duplex ion implantation, *Journal Surface & Coatings Technology*, S538-S543.
- Huang, Z., Zhang, X., Wang, T., Liu, G., Shao, H., Wan, Y., and Qiao, G., 2018, Effect of PD ion implantation and addition on wettability of AL/SiC system, *Surface and Coating Technologi*, S198-204.
- Hashemi, B., Yazdi, M. R., and Azar, V., 2011, The Wear and Corrosion Resistance of Shot Peened-Nitrided 316L Austenitic Stainless Steel, *Material and Desain* 32(6), 3287-3292.
- Ikhsan, F. M., 2016, Pengaruh Implantasi Ion Berbasis Nitrogen Terhadap Karakteristik Stainless Steel 316L untuk Material Implan, *Skripsi*, Fakultas Sains dan Teknologi, Universitas Airlangga.
- Indarwati, D.A., 2011, Pengaruh Implantasi Ion Titanium Terhadap Kekerasan dan Ketahanan Korosi Stainless Steel 304, *Tesis*, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Jack, H., 2013, Manufacturing Processes. ASEE Annual Meeting, Atlanta.
- Jones, D. A., (1991). Principles and Prevention of Corrosion, Mc. Milman publishing Company, New York.
- Kartika, R., Soekrisno., Sudjatomoko., 2001, Studi Pengaruh Implantasi Ion Karbon Terhadap Kekerasan Permukaan Baja AISI 1040, *Media Teknik*, No.2.
- Lee, H., Kim, D., Jung, J., Pyoun, Y., Shin, K., 2009, Influence of peening on the corrosion properties of AISI 304 stainless steel. *Journal Corrosion Science*, 51 (12) 2826 – 2830.
- Lippold, J.C., Kotecki, D.J., 2005, *Welding Metallurgy and Weldability of Stainless Steels*, John Wiley & Sons, New Jersey.
- McGuire, M., 2008, *Stainless steels for Design Engineers*, ASM International Materials Park, USA.,
- Mudali, U. K., Sridhar, T.M., and Raj, B., 2003, Corrosion of Bioimplants. *Journal sadhana* 28. 601-637.

- Mulyaningsih, N. (2013). *Pengaruh Waktu Electroplating Nikel-Chrom terhadap Kekerasan dan Laju Korosi dalam Media Cairan PBS Stainless Steel 304*, Teknik Mesin, UGM, Yogyakarta.
- Nastasi, M., and Mayer, J.W., 2006, *Ion Implantation and Synthesis of Materials*, Springer, New York.
- Pudjorahardjo, D.S., Salam, A., dan Susita, L.R.M., 2003, Kajian Teknologi Akselerator Ion Untuk Rekayasa Bahan, *Jurnal Puslitbang Teknologi Maju-BATAN*, 5:84-91.
- Park, J.B., and Lakes, R.S., 2007, *Biomaterials An Introduction : Third Edition*, Springer, New York.
- Pribadi, B., Iswanto, P. T., Sujitno, T, 2011, Pengaruh Implantasi Ion Chrom Terhadap Kekerasan dan Laju Korosi Baja Tahan Karat AISI 316 L Dalam Larutan PBS, 2011: *Prosiding Pertemuan dan Presentasi Ilmiah*, 0216 – 3128.
- Qur'aini, P. I., 2016, Pengaruh Durasi pada proses Shot Peening terhadap Sifat Fisis, Mekanis dan Ketahanan Korosi Material SS 304 dan SS 316L, *Skripsi*, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Sulaiman, A., 2016, Pengaruh Variasi Sudut Penembakan Shot Peening terhadap Struktur Mikro, Kekerasan, Kekasaran Permukaan, dan Wettability pada Stainless Steel AISI-304, *Skripsi*, Fakultas Teknik Universitas Muhammadiyah Yogyakarta, Yogyakarta.
- Sunardi, Iswanto, P. T., dan Mudjijana., 2015, Peningkatan Ketahanan Korosi pada Material Biomedik Plat Penyambung Tulang SS 304 Dengan Gabungan Metode Shoot Peening dan Elektroplating Ni-Cr, *Jurnal Ilmiah Semesta Teknika*, Vol.18, No.2, 160-167.
- Sunardi, 2014, Pengaruh Variasi Waktu Shot Peening dan Electroplating Ni-Cr terhadap Kekasaran Permukaan, Kekerasan dan Laju Korosi dalam Media SBF pada Stainless Steel 304, *Tesis*, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.

- Sunardi, Iswanto, P. T., dan Mudjijana, 2013, Pengaruh Waktu Shot Peening terhadap Kekerasan dan Kekasaran Permukaan Stainless Steel AISI 304, *Seminar Nasional ke 8 : Rekayasa Teknologi Industri dan Informasi Sekolah Tinggi Teknologi Nasional*, pp. 142-145.
- Sujitno, T., 2006, Pemanfaatan Implantor Ion 150 keV/2mA Untuk Surface Treatment, *Prosiding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya PTAPB-BATAN*, 62-69.
- Susita, L.R.M., Sudjatmoko, Sujitno, T., Darsono, Sulamdari, S., Supardjono, 1996, Karakterisasi Struktur Mikro Stainless Steel Hasil Implantasi Ion Nitrogen, *Prosiding Pertemuan dan Presentasi Ilmiah PPNY-BATAN*, 50-56.
- Sudjatmoko, Susita, L.R.M., Wirjoadi, Siswanto, B., 2013, Corrosion Resistance Improvement of AISI 316L Stainless Steel Using Nitrogen Ion Implantation, *Ganendra Journal of Nuclear Science and Technology*, 16:67-75.
- Sudjatmoko, Wirjoadi, Siswanto, B., Suharni, Sujitno, T., 2010, Analisis Struktur Mikro Lapisan Nitrida Besi Yang Ternitridasi Pada Permukaan Material Komponen Mesin, *Ganendra Journal of Nuclear Science and Technology*, 13:101-111.
- Shen, L.R., Wang, K., Tie, J., Tong, H.H., Chen, Q.C., Tang, D.L., Fu, R.K.Y., Chu, P.K., 2004, Modification of High-Chromium Cast Iron Alloy by N and Ti Ion Implantation, *Journal Surface & Coatings Technology*, 349-352.
- Shen, L., Wang, L., Wang, Y., Wang C., 2010, Plasma Nitriding of AISI 304 Austenitic Stainless Steel with Pre-Shot Peening, *Surface and Coatings Technology* 204(20), 3222-3227.
- Surdia, T. & Saito, S., 1999, *Pengetahuan Bahan Teknik*, Cetakan I, Pradnya Paramita, Jakarta Pusat.
- Umardhani, Y. dan Suprihanto, A., 2013, Pengembangan Metode Peningkatan Kekerasan Baja Tahan Karat AISI 316L Lewat Proses Nitridasi Gas Temperature Tinggi. *Jurnal Rotasi*, 15, 7-10.

- Wirjoadi, Susita, L., Siswanto, B., Sudjatmoko, 2013, Pengaruh Proses Nitridasi Ion pada biomaterial terhadap kekerasan dan ketahanan korosi. *Prosiding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya*. 13, 25-36.
- Wisdatika, A., Pancawati, R., Maiisyah, P. A., 2012.
<https://tsffaunsoed2009.wordpress.com/2012/05/24/stainless-steel-dapat-mengalami-korosi/>. Diakses: pada 29 Desember 2018.
- Wilson, C. J., Clegg, R. E., Leavesley, D. I., and Pearcy, M. J., 2005, Mediaton of Biomaterial-Cell Interactions by Adsorbed Proteins: A Review, *Tissue Engineering*, 11(1-2), 1-18.
- Yuliwati, E., Ismail, A.F., 2011, Effect of additives concentration on the surface properties and performance of PVDF ultrafiltration membranes for refinery produced wastewater treatment, *Desalination*, Vol. 273, pp. 226-234.
- Yu, S., Liu, D., Cui, T., and Zhang, X., 2015, Formation Process and Cross-Sectional Hardness of a Cr- Alloyed Layer on Ti6Al4L Alloy, *Materials Letters* 161, 724-26.
- Zhang, J., Peng, S., Zhang, A., Wen, J., Zang, T., Xu, Y., Yan, S., and Ren, H., 2016, Nitrogen Ion Implantation on the Mechanical Properties AISI 420 Martensitic Stainless Steel, *Journal Surface & Coatings Technology*, S132-S178.