

DAFTAR PUSTAKA

- Ahmed, A. A., Mhaede, M., Wollmann, M., & Wagner, L. *Effect of surface and bulk plastic deformations on the corrosion resistance and corrosion fatigue performance of AISI 316L*. Surface and Coatings Technology. 2014; 259: pp. 448-455.
- Ahmed, A. A., Mhaede, M., Wollmann, M., & Wagner, L. *Effect of micro shot peening on the mechanical properties and corrosion behavior of two microstructure Ti-6Al-4V alloy*. Applied Surface Science. 2016; 363: pp. 50-58.
- Al-Janabi, A., Malayeri, M. R., & Badran, O. *Performance of shot peened surfaces subject to crystallization fouling*. International Journal of Thermal Sciences. 2017; 111: pp. 379-389.
- Arifvianto, B., & Mahardika, M. *Effect of sandblasting and surface mechanical attrition treatment on surface roughness, wettability, and microhardness distribution of AISI 316L*. Materials Engineering Trans Tech Publications. 2011; 462: pp. 738-743.
- Arifvianto, B., Mahardika, M., Dewo, P., Iswanto, P. T., & Salim, U. A. *Effect of surface mechanical attrition treatment (SMAT) on microhardness, surface roughness and wettability of AISI 316L*. Materials Chemistry and Physics. 2011; 125(3): pp. 418-426.
- Arifvianto, B., Suyitno, K. A., & Mahardika, M. *Influence of grit blasting treatment using steel slag balls on the subsurface microhardness, surface characteristics and chemical composition of medical grade 316L stainless steel*. Surface and Coatings Technology. 2012; 210: pp. 176-182.
- Azar, V., Hashemi, B., & Yazdi, M. R. *The effect of shot peening on fatigue and corrosion behavior of 316L stainless steel in Ringer's solution*. Surface and Coatings Technology. 2010; 204(21-22): pp. 3546-3551.
- Badaruddin, M., & Sugiyanto, S. *Efek Shot Peening Terhadap Korosi Retak Tegang (SCC) Baja Karbon Rendah dalam Lingkungan Air Laut*. Jurnal Teknik Mesin. 2005; 7(1): pp. 11-14.
- Bagherifard, S., Hickey, D. J., de Luca, A. C., Malheiro, V. N., Markaki, A. E., Guagliano, M., & Webster, T. J. *The influence of nanostructured features on bacterial adhesion and bone cell functions on severely shot peened 316L stainless steel*. Biomaterials. 2015; 73: pp. 185-197.
- Bagherifard, S., Slawik, S., Fernández-Pariente, I., Pauly, C., Mücklich, F., & Guagliano, M. *Nanoscale surface modification of AISI 316L stainless steel by severe shot peening*. Materials & Design. 2016; 102: pp. 68-77.
- Benedetti, M., Fontanari, V., Winiarski, B., Withers, P. J., Allahkarami, M., & Hanan, J. C. *Fatigue behavior of shot peened notched specimens: effect*

- of the residual stress field ahead of the notch root*. Procedia Engineering. 2015; 109: pp. 80-88.
- Bhushan, B. 2000. *Modern tribology handbook, two volume set*. CRC press. Diakses melalui <https://bit.ly/2Ljtaa5> pada tanggal 5 Februari 2018 pukul 22.00.
- Bhuvaraghan, B., Srinivasan, S. M., & Maffeo, B. *Optimization of the fatigue strength of materials due to shot peening: a survey*. The International Journal of Structural Changes in Solids. 2010; 2(2): pp. 33-63.
- Brandon, D., & Kaplan, W. D. 2013. *Microstructural characterization of materials*. John Wiley & Sons. Diakses melalui <https://bit.ly/2KJ39Qq> pada tanggal 3 Februari 2018 pukul 21.00.
- Bronzino, J. D., & Park, J. B. *Biomaterials: principles and applications*. CRC press. 2002: pp. 1-3.
- Dewo, P., Van Der Houwen, E. B., Sharma, P. K., Magetsari, R., Bor, T. C., Vargas-Llona, L. D. & Verkerke, G. J. *Mechanical properties of Indonesian-made narrow dynamic compression plate*. Journal of the mechanical behavior of biomedical materials. 2012; 13: pp. 93-101.
- Fard, S. B., & Guagliano, M. *Effects of surfaces nanocrystallization induced by shot peening on material properties: a Review*. Frattura ed Integrità Strutturale: Annals. 2010: 3. Diakses melalui <https://bit.ly/2wZCvRD> pada tanggal 3 Februari 2018 pukul 09.00.
- Fu, P., Zhan, K., & Jiang, C. *Micro-structure and surface layer properties of 18CrNiMo7-6 steel after multistep shot peening*. Materials & Design. 2013; 51: pp. 309-314.
- González, J., Peral, L. B., Colombo, C., & Fernández Pariente, I. *A Study on the Microstructural Evolution of a Low Alloy Steel by Different Shot Peening Treatments*. Metals. 2018; 8(3): pp. 187.
- Gusrita, D. *Pengaruh Viskositas Fluida Terhadap Sifat Hydrophobic dari Berbagai Macam Daun*. Pillar of Physics. 2014; 3(1).
- Ibrahim, M. Z., Sarhan, A. A., Yusuf, F., & Hamdi, M. *Biomedical materials and techniques to improve the tribological, mechanical and biomedical properties of orthopedic implants—A review article*. Journal of Alloys and Compounds. 2017; 714: pp. 636-667.
- Khan, G. S. 2008. *Characterization of Surface Roughness and Shape Deviations of Aspheric Surfaces*. Erlangen.
- Kubiak, K. J., Wilson, M. C. T., Mathia, T. G., & Carval, P. *Wettability versus roughness of engineering surfaces*. Wear. 2011; 271(3-4): pp. 523-528.
- Lathe, S. S., Gurav, A. B., Maruti, C. S., & Vhatkar, R. S. *Recent progress in preparation of superhydrophobic surfaces: a review*. Journal of Surface Engineered Materials and Advanced Technology. 2012; 2(02): pp. 76.

- Lee, H. S., Kim, D. S., Jung, J. S., Pyoun, Y. S., & Shin, K. *Influence of peening on the corrosion properties of AISI 304 stainless steel*. Corrosion science. 2009; 51(12): pp. 2826-2830.
- Liu, W., Wu, G., Zhai, C., Ding, W., & Korsunsky, A. M. *Grain refinement and fatigue strengthening mechanisms in as-extruded Mg–6Zn–0.5 Zr and Mg–10Gd–3Y–0.5 Zr magnesium alloys by shot peening*. International Journal of Plasticity. 2013; 49: pp. 16-35.
- Liu, Y. G., Li, M. Q., & Liu, H. J. *Nanostructure and surface roughness in the processed surface layer of Ti-6Al-4V via shot peening*. Materials Characterization. 2017; 123: 83-90.
- Lu, J. Z., Wu, L. J., Sun, G. F., Luo, K. Y., Zhang, Y. K., Cai, J., ... & Luo, X. M. *Microstructural response and grain refinement mechanism of commercially pure titanium subjected to multiple laser shock peening impacts*. Acta Materialia. 2017; 127: pp. 252-266.
- Mendrastama, R. *Pengaruh Variasi Waktu Penembakan Shot Peening terhadap Struktur Makro, Struktur Mikro, Kekasaran, Kekerasan, Wettability, dan Laju Korosi Pada Stainless Steel AISI 316L*. Tugas Akhir S1. Yogyakarta: Teknik Mesin UMY; 2017.
- Multigner, M., Frutos, E., González-Carrasco, J. L., Jiménez, J. A., Marín, P., & Ibáñez, J. *Influence of the sandblasting on the subsurface microstructure of 316LVM stainless steel: Implications on the magnetic and mechanical properties*. Materials Science and Engineering. 2009; 29(4): pp. 1357-1360.
- Nascimento, A. E. G., Barros Neto, E. L., Dantas, T. N. C., Dantas Neto, A. A., & Moura, M. C. P. A. *Assessment of Wettability of Surfactant Solutions in Stainless Steel*. International Journal of Basic & Applied Sciences IJBAS-IJENS. 2014; 14: pp. 3
- Newson, T. *Stainless steel—A family of medical device materials*. Business Briefing: Medical Device Manufacturing & Technology. 2002.
- Oshida, Y., Sachdeva, R., Miyazaki, S., Daly, J. *Effects of Shot-Peening on Surface Contact Angles of Biomaterials*. J Mater. Sci: Mater Med. 1993; 3: pp. 306-312.
- Oshida, Y. 2010. *Bioscience and bioengineering of titanium materials*. Elsevier. Diakses melalui <https://bit.ly/2KLps8Z> pada tanggal 10 Mei 2018 pukul 11.30.
- Perren, Stephan M., Robert Mathys, Ortrun Pohler. *AO Principles of Fracture Management: Implants and Materials in Fracture Fixation*. New York: AO Publishing. 2000.
- Prasetya, D., Mahardika, M., Suyitno, S., Arifvianto, B., Prihandana, G. S., & Dewo, P. *The effect of sandblasting on AISI 316L stainless steels*. In Prosiding Industrial Research Workshop and National Seminar. 2011; 2: pp. 58-61.
- Quere, D. *Wetting and roughness*. Annu. Rev. Mater. Res. 2008; 38: pp. 71-99.

- Roland, T., Retraint, D., Lu, K., & Lu, J. *Enhanced mechanical behavior of a nanocrystallised stainless steel and its thermal stability*. *Materials Science and Engineering*. 2007; 445: pp. 281-288.
- Rupp, F., Scheideler, L., Rehbein, D., Axmann, D., & Geis-Gerstorfer, J. *Roughness induced dynamic changes of wettability of acid etched titanium implant modifications*. *Biomaterials*. 2004; 25(7-8): pp. 1429-1438.
- Saputra, Y.R. 2016. *Pengaruh Variasi Tekanan Penyemprotan Shot Peening terhadap Karakteristik Permukaan Dynamic Compression Plate berbahan Stainless Steel 316L*. Tugas Akhir S1. Yogyakarta: Teknik Mesin UMY; 2017.
- Slone, R. M., Heare, M. M., Vander Griend, R. A., & Montgomery, W. J. *Orthopedic fixation devices*. *Radiographics*. 1991; 11(5): pp. 823-847.
- Staron, P., Schreyer, A., Clemens, H., & Mayer, S. (Eds.). 2017. *Neutrons and Synchrotron Radiation in Engineering Materials Science: From Fundamentals to Applications*. John Wiley & Sons. Diakses melalui <https://bit.ly/2s149b4> pada tanggal 5 Februari 2018 pukul 10.00.
- Stiffler, K. S. *Internal fracture fixation*. *Clinical Techniques in Small Animal Practice*. 2004; 19(3): pp. 105-113.
- Sukarno, S. 2017. *Pengaruh Variasi Diameter Steel Ball pada Perlakuan Shot Peening terhadap Struktur Mikro/Makro, Kekasaran Permukaan, Ketebalan, Wettability, Kekerasan, dan Laju Korosi Pada Material Stainless Steel AISI 316L*. Tugas Akhir S1. Yogyakarta: Teknik Mesin UMY; 2017.
- Sun, B. L., Wang, Y. J., Xiao, J. Y., Gao, G. Q., Qiao, M. J., & Xiao, X. D. *Evolution of microstructure and properties of 2196 Al-Li alloy induced by shot peening*. *Procedia Engineering*. 2014; 81: pp. 1043-1048.
- Sunardi, Priyo T. I., dan Mudjijana. *Pengaruh Waktu Shot Peening Terhadap Kekerasan dan Kekasaran Permukaan Stainless Steel AISI 304*. Seminar Nasional ReTII ke-8. Yogyakarta. 2013.
- Tosha, K. *Effect of shot peening on surface integrity*. International Scientific Committee for Shot Peening (ICSP). Tokyo, Japan. 2008; 10.
- Xing, Y. M., & Lu, J. *An experimental study of residual stress induced by ultrasonic shot peening*. *Journal of Materials Processing Technology*. 2004; 152(1): pp. 56-61.
- Yaqin R. I., Iswanto P.T., Priyambodo B.H, & Kondi E.U. *Pengaruh Durasi Shot Peening terhadap Struktur Mikro dan Kekerasan Permukaan Pada Aisi 316L*. Prosiding Seminar Nasional Teknologi Informasi dan Kedirgantaraan (SENATIK). STTA Yogyakarta. 2017; 3: pp. 16 – 20.
- Zhang, Y. *The effect of surface roughness parameters on contact and wettability of solid surfaces*. Iowa State University. 2007.