

## DAFTAR PUSTAKA

- Adya, N., Alam, M., Ravindranath, T., Mubeen, A., Saluja, B., 2005, Corrosion in Titanium Dental Implants: Literature View, *Journal Indian Prosthodontic Society*, 5(3): 126-131.
- Aizawa, T., Kuwahara, H., 2003, Plasma Nitriding as an Environmentally Benign Surface Structuring Process, *Materials Transactions, Journal of Achievement in Materials and Manufacturing Engineering*, 44(7): 1303-1310.
- Aminatun, Siswanto, Dainti, E., 2012, Pengaruh Penambahan Hydroxyapatite terhadap Karakteristik Amalgam High Copper Tipe Blended Alloy, *Proceeding Seminar Fisika Terapan III Departemen Fisika-FST-Universitas Airlangga*, 15 September 2012, Surabaya, h. 2-8.
- Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia, 2014, *Riset Kesehatan Dasar (Riskesdas) 2013*, Depkes RI, Jakarta, h. 130-147.
- Budiarto, E., 2003, *Metodologi Penelitian*, edisi 1, EGC, Jakarta, h. 17.
- Choi, A.H., Matinlinna, J.P., Nissan, B.B., 2011, Finite Element Stress Analysis of Ti-6Al-4V and Partially Stabilized Zirconia Dental Implant during Clenching, *Journal of Acta Odontologica Scandinavica*, 70(5): 353-361.
- Chrzanowski, W., 2008, Corrosion Study of Ti6Al7Nb Alloy After Thermal, Anodic, and Alkali Surface Treatments, *Journal of Achievements in Materials and Manufacturing Engineering*, 31(2): 203-211.
- Dahlan, M.S., 2011, *Statistik untuk Kedokteran dan Kesehatan*, edisi 5, Salemba Medika, Jakarta, h. 88-101.
- Hansen, D., 2008, Metal Corrosion in Human Body, *Journal of Electrochemical*, 11(4): 31-32.
- Harsono, V., Prabowo, H., 2012, Implan Dental Sebagai Perawatan Alternatif untuk Rehabilitasi Kehilangan Sebuah Gigi, *Dentofasial Journal*, 11(3): 170-173.
- Honggowiranto, W., 2010, Peningkatan Ketahanan Korosi Material Implan SS316L dengan Metode Nitridasi, *Jurnal Sains Materi Indonesia*, 11(3): 207-212.

- Huerta, E., Corona, J., Oliva, A., 2010, Universal Testing Machine for Mechanical Properties of Thin Materials, *Journal of Engineering Science*, 56(4): 317-322.
- ISO 10271 Standart, 2001, *Dental Metallic Corrosion Test Methods*, 1<sup>st</sup> Ed, ISO Copyright Office, Switzerland, p. 5.
- Jugdev, J., Farahani, B., Lynch, E., 2014, The Effect of Air Abrasion of Metal Implant Abutments on The Tensile Bond Strength of Three Luting Agents Used to Cement Implant Superstructures: An In Vitro Study, *The International Journal of Oral and Maxillofacial Implants*, 29(4): 784-790.
- Karasutisna, T., 2004, *Implan Gigi untuk Dokter Gigi Umum*, Makalah disampaikan dalam Seminar Kedokteran Gigi, Bandung, 15-16 Juni 2012, h. 1-37.
- Kokubo, T., Takadama, H., 2006, How Useful is Simulated Body Fluids in Predicting in Vivo Bone Bioactivity, *Journal of Biomaterials*, 27(15): 2907-2915.
- Kemmochi, Y., Tsutsumi, K., Arikawa, A., Nakazawa, H., 2002, Centrifugal Concentrator for The Substitution of Nitrogen Blow-Down Micro-Concentration in Dioxin or Polychlorinated Biphenyl Sample Preparation, *Journal of Chromatography*, 3(2): 295-297.
- Lakshmi, S., 2010, *Preclinical Manual of Prosthodontics*, Elsevier, New Delhi, p. 3-4.
- Lee, W., Kim, W., Hyo, J., Hyo, H., Kwon, Y., 2011, Biocompatibility of  $\beta$ -Ti Alloy for Dental Implant, *Journal of Biomaterials*, 15(2): 43-51.
- Leyens, C., Peters, M., 2003, *Titanium and Titanium Alloys*, Wiley-VCH, Germany, p. 4-8.
- Liang W., Juncai, S., Xiaolei, X., 2001, Low Pressure Plasma Arc Source Ion Nitriding Compared with Glow-Discharge Plasma Nitriding of Stainless Steel, *Journal of Surface and Coatings Technology*, 14(5): 31-37.
- Maeztu, M., Alava, J., Escoda, C., 2003, Ion Implantation: Surface Treatment for Improving The Bone Integration of Titanium and Ti6Al4V, *Clinical Oral Implantation Research*, 14(4): 57-62.
- Manivasagam, G., Dhinasekaran, D., Rajaminickam, A., 2010, Biomedical Implants: Corrosion and it's Prevention, *Recent Patents on Corrosion Science*, 27(2): 40-54.

- Marques, M., Loebenberg, R., Almukainzi., M, 2011, Simulated Biological Fluids with Possible Application in Dissolutiom Testing, *Journal of Dissolution Technologies*, 18(3): 15-28.
- Matthew, J., Donachie, J., 2001, *Heat Treating Titanium and It's Alloy*, Mosby, St.Lois, p. 47-57.
- Mohn, D., Zehnder, M., Stark, W.J., Imfeld, T., 2011, Electrochemical Disinfection of Dental Implants – a Proof of Concept, *Journal of Dental Medicine*, 6(1): 1-6.
- Nova, C., Malau, V., Sujitno, T., 2012, *Pengaruh Tekanan dan Lama Plasma Nitriding terhadap Kekerasan dan Laju Korosi Baja Tahan Karat AISI 410*, Makalah disampaikan dalam Simposium Nasional RAPI XI, Surakarta, 8 Desember 2012, h. 85-91.
- Purwanto, Malau, V., Sujitno, T., 2003, Pemanfaatan Teknik Plasma dalam Proses Nitridasi pada Baja Paduan DIN 42CrMo4, *Proceeding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya Badan Tenaga Nuklir Nasional (BATAN)*, 1 Oktober 2003, Yogyakarta, h. 228-234.
- Qing, Q., Lei, W., Yacun, C., Lei, L., Yue, Y., Zhongtao, D., 2014, Corrosion Behavior of Titanium in Artificial Saliva by Lactic Acid, *Journal Materials*, 7(1): 5528-5542.
- Rasmusson, L., Roos, J., Bystedt., H, 2005, A 10-Year Follow-Up Study Of Titanium Dioxide-Blasted Implants, *Clinical Implant Dentistry and Related Research*, 7(1): 36–42.
- Rehder, D., 2000, Vanadium Nitrogenase, *Journal of Inorganic Biochemistry*, 4(7): 133-136.
- Respati, S., M., 2010, Bahan Biomaterial Stainless Steel dan Keramik, *Jurnal Momentum*, 6(1): 5-8
- Rodrigues, D., Valderrama, P., Wilson, T., Palmer, K., Thomas, A., Sridhar, S., 2013, Titanium Corrosion Mechanism in The Oral Environment: A Retrieval Study, *Materials Journal*, 6(1): 5258-5274.
- Rodrigues, L.E., Carvalho, A., Azevedo, A.L., Cruz, C.B., Maia, A.W., 2003, Odontologic Use of Copper or Aluminum Alloys: Mitochondrial Respiration as Sensitive Parameter of Biocompatibility, *Brazilian Dental Journal*, 14(1): 32-36.

- Sawase, T., Yoshida, K., Taira, Y., Kamada, K., Atsuta, M., Baba, K., 2005, Ion-Beam-Assisted Deposition, *Journal of Oral Rehabilitation*, 32(1): 151–157.
- Setiawan, D., Triwikantoro, Faisal, H., Wagiyo, 2009, Pengaruh Nitridasi terhadap Ketahanan Korosi Stainless Steel, *Proceeding Seminar Nasional Pascasarjana*, Institut Teknologi Sepuluh Nopember, 12 Agustus 2009, Surabaya, h. 1-8.
- Sheikh, Z., Najeeb, S., Khurshid, Z., Verma, V., Rashid, H., Glogauer, M., 2015, Biodegradable Materials for Bone Repair and Tissue Engineering Applications, *Materials Journal*, 8(1): 5744-5794.
- Sudjatmoko, Subki, I., 2000, Karakterisasi Lapisan Nitrida yang Terbentuk pada Permukaan Besi Akibat Implantasi Ion Nitrogen, *Proceeding Seminar Nasional Teknologi Akselerator dan Aplikasinya*, 21 November 2000, Yogyakarta, h. 186-189.
- Suito, H., Iwawaki, Y., Goto, T., Tomotake, Y., Ichikawa, T., 2013, Oral Factors Affecting Titanium Elution and Corrosion: an in Vintro Study Using Simulated Body Fluids, *Journal Pone*, 8(6): 1-7.
- Supranto, J., 2009, *Teknik Sampling untuk Survei dan Eksperimen*, Rineka Cipta, Jakarta, h. 11-21.
- Suprpto, B., Sujitno, T., Sayono, Uji Fungsi Sistem Nitridasi Ion untuk Perlakuan Permukaan, *Proceeding PPI-PDIPTN Pusat Teknologi Akselerator dan Proses Bahan Badan Tenaga Nuklir Nasional (BATAN)*, 10 Juli 2007, Yogyakarta, h. 109-116.
- Susita, L., Sudjatmoko, Wirjoadi, Siswanto, B., Herlani, 2012, Efek Lapisan Nitrida Terhadap Ketahanan Korosi Permukaan Material untuk Prostetik, *Proceeding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya Badan Tenaga Nuklir Nasional (BATAN)*, 3 Januari 2012, Yogyakarta, h. 90-100.
- Takabayashi, Y., 2010, Characteristics of Denture Thermoplastic Resin for Non Metal Clasp Denture, *Dental Material Journal*, 23(4): 353-361.
- Totten, G., Mackenzie, D., 2003, *Handbook of Aluminium*, Marcel Dekker, New York, p. 87.
- Wanhill, R., Barter, S., 2012, *Fatigue of Beta Processed and Beta Heat-treated Titanium Alloys*, Springer, Amsterdam, p. 11-38.

Wang, L., Paulo, H.P.D., Lawrence, G.L., Jose, C.P., 2003, Mechanical Properties of Dental Restorative Materials: Relative Contribution of Laboratory Tests, *Journal Apply Oral Science*, 11(3): 21-32.

Wirjoadi, Susita, Bambang, S., Sudjatmoko, 2013, Pengaruh Proses Nitridasi Ion pada Biomaterial terhadap Kekerasan dan Ketahanan Korosi, *Proceeding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya Pusat Teknologi Akselerator dan Proses Bahan BATAN*, 13 Januari 2012, Yogyakarta, h. 25-36.

Xuanyong, L., Paul, K., Chuanxian, D., 2004, Surface Modification of Titanium, Titanium Alloys, and Related Materials for Biomedical Applications, *Material Science and Engineering Journal*, 49(1): 49-121.

