

DAFTAR PUSTAKA

- [1] A. R. R. Tanaya and I. G. W. M. Yasa, "Kesejahteraan Lansia dan Beberapa Faktor yang Mempengaruhi di Desa Dangin Puri Kauh," *Piramida*, 2015.
- [2] C. Y. Fitriani and A. Wibawa, "Biokompatibilitas Material Titanium Implan Gigi," *Insisiva Dent. J. Maj. Kedokt. Gigi Insisiva*, 2019.
- [3] C. Morant, M. F. López, A. Gutiérrez, and J. A. Jiménez, "AFM and SEM characterization of non-toxic vanadium-free Ti alloys used as biomaterials," *Appl. Surf. Sci.*, 2003.
- [4] Y. Tanaka *et al.*, "Characterization of air-formed surface oxide film on Ti-29Nb-13Ta-4.6Zr alloy surface using XPS and AES," *Corros. Sci.*, 2008.
- [5] H. Te Chen *et al.*, "Micro-arc oxidation of β -titanium alloy: Structural characterization and osteoblast compatibility," *Surf. Coatings Technol.*, 2009.
- [6] L. T. De Jonge, S. C. G. Leeuwenburgh, J. G. C. Wolke, and J. A. Jansen, "Organic-inorganic surface modifications for titanium implant surfaces," *Pharm. Res.*, 2008.
- [7] A. Wennerberg and T. Albrektsson, "Effects of titanium surface topography on bone integration: A systematic review," *Clin. Oral Implants Res.*, 2009.
- [8] R. A. Levine, P. Sendi, and M. M. Bornstein, "Immediate restoration of nonsubmerged titanium implants with a sandblasted and acid-etched surface: five-year results of a prospective case series study using clinical and radiographic data," *Natl. Libr. Med.*, 2012.
- [9] D. L. Cochran *et al.*, "A 5-Year Prospective Multicenter Clinical Trial of Non-Submerged Dental Implants With a Titanium Plasma-Sprayed Surface in 200 Patients," *J. Periodontol.*, 2011.
- [10] D. Buser, S. F. M. Janner, J. G. Wittneben, U. Brägger, C. A. Ramseier, and G. E. Salvi, "10-Year Survival and Success Rates of 511 Titanium Implants with a Sandblasted and Acid-Etched Surface: A Retrospective Study in 303 Partially Edentulous Patients," *Clin. Implant Dent. Relat.*

Res., 2012.

- [11] V. Chappuis, R. Buser, U. Brägger, M. M. Bornstein, G. E. Salvi, and D. Buser, "Long-Term Outcomes of Dental Implants with a Titanium Plasma-Sprayed Surface: A 20-Year Prospective Case Series Study in Partially Edentulous Patients," *Clin. Implant Dent. Relat. Res.*, 2013.
- [12] B. Feng, J. Weng, B. C. Yang, S. X. Qu, and X. D. Zhang, "Characterization of surface oxide films on titanium and adhesion of osteoblast," *Biomaterials*, 2003.
- [13] W. Peng, W. Zeng, Y. Zhang, C. Shi, B. Quan, and J. Wu, "The effect of colored titanium oxides on the color change on the surface of Ti-5Al-5Mo-5V-1Cr-1Fe alloy," *J. Mater. Eng. Perform.*, 2013.
- [14] A. Obata *et al.*, "White-ceramic conversion on Ti-29Nb-13Ta-4.6Zr surface for dental applications," *Adv. Mater. Sci. Eng.*, 2013.
- [15] R. Wurdhani, U. Budiarto, and W. Amiruddin, "Pengaruh Perlakuan Panas (Heat Treatment) Normalizing Terhadap Kekuatan Impak Aluminium 6061 Pengelasan MIG dengan Variasi Posisi dan Bentuk Kampuh," *J. Tek. Perkapalan*, 2021.
- [16] D. A. Lewandowski, *Design of Thermal Oxidation for Volatile Organic Compound*. 2015.
- [17] M. Zuldesmi, A. Waki, K. Kuroda, and M. Okido, "High Osteoconductive Surface of Pure Titanium by Hydrothermal Treatment," *J. Biomater. Nanobiotechnol.*, 2013.
- [18] M. P. Neupane, Y. K. Kim, I. S. Park, M. H. Lee, and T. S. Bae, "Characterization of surface oxide films and cell toxicity evaluations with a quenched titanium surface," *Met. Mater. Int.*, 2008.
- [19] C. Byun, J. W. Jang, I. T. Kim, K. S. Hong, and B. W. Lee, "Anatase-to-rutile transition of titania thin films prepared by MOCVD," *Mater. Res. Bull.*, 1997.
- [20] R. Bansal, J. K. Singh, V. Singh, D. D. N. Singh, and P. Das, "Optimization of Oxidation Temperature for Commercially Pure Titanium to Achieve Improved Corrosion Resistance," *J. Mater. Eng. Perform.*, 2017.

- [21] D. Siva Rama Krishna, Y. L. Brama, and Y. Sun, "Thick rutile layer on titanium for tribological applications," *Tribol. Int.*, 2007.
- [22] K. Aniołek, M. Kupka, A. Barylski, and Mieszczak, "Characteristic of oxide layers obtained on titanium in the process of thermal oxidation," *Arch. Metall. Mater.*, 2016.
- [23] G.-M. Kolahreez, Ramakrishna, and Williams, *Human Orthopaedic Biomechanics*. 2022.
- [24] C. I. 5. 1. B. Dressings and B. D. and Skin Substitutes Ratner, *Biomaterials Science: An Introduction to Materials: Third Edition*. 2013.
- [25] C. S. M. I. I. Kartika, "Karakteristi Material Biokompatibel Aplikasi Implan Medis Jenis Bone Plate," 2017.
- [26] Gunawarman *et al.*, "Hydroxyapatite Coatings on Titanium Alloy TNTZ using Electrophoretic Deposition," *IOP Conf. Ser. Mater. Sci. Eng.*, 2019.
- [27] J. Affi; Fadhli. Ihsan; Hidayatul. Fajri; Gunawarman., "Corrosion Resistance of β type titanium (TNTZ) in 3%NaCl solution," 2019.
- [28] A. Najdahmadi, A. Zarei-Hanzaki, and E. Farghadani, "Mechanical properties enhancement in Ti-29Nb-13Ta-4.6Zr alloy via heat treatment with no detrimental effect on its biocompatibility," *Mater. Des.*, 2014.
- [29] Nisith R. Mandal, *Ship construction and welding*, 1st ed. Springer, 2017.
- [30] C. H. Haustein, K. L. Lerner, and B. W. Lerner, *Oxidation-Reduction Reaction. The Gale Encyclopedia of Science*, 5th ed. MI: Gale Group, 2014.
- [31] S. C. Moldoveanu and V. David, *Selection of the HPLC Method in Chemical Analysis*. 2017.
- [32] W. Abdallah *et al.*, "Fundamentals of wettability," *Oilf. Rev.*, 2007.
- [33] S. Wang, Y. Liu, C. Zhang, Z. Liao, and W. Liu, "The improvement of wettability, biotribological behavior and corrosion resistance of titanium alloy pretreated by thermal oxidation," *Tribol. Int.*, 2014.
- [34] F. Rupp *et al.*, "A review on the wettability of dental implant surfaces I: Theoretical and experimental aspects," *Acta Biomater.*, 2014.
- [35] Marmur A, "Hydro- hygro- oleo- omni phobic? Terminology of wettability classification," *Soft Matter*, 2012.

- [36] R. A. Gittens *et al.*, “The roles of titanium surface micro/nanotopography and wettability on the differential response of human osteoblast lineage cells,” *Acta Biomater.*, 2013.
- [37] F. Rupp, L. Scheideler, M. Eichler, and Geis-Gerstorfer J, “Wetting behavior of dental implants,” *Int J Oral Maxillofac Impl*, 2011.
- [38] F. Rupp, L. Scheideler, D. Rehbein, D. Axmann, and J. Geis-Gerstorfer, “Roughness induced dynamic changes of wettability of acid etched titanium implant modifications,” *Biomaterials*, 2004.
- [39] B. C. Bovas, L. Karunamoorthy, and F. B. Chuan, “Effect of surface roughness and process parameters on mechanical properties of fabricated medical catheters,” *Mater. Res. Express*, 2019.
- [40] E. Donnelly, S. P. Baker, A. L. Boskey, and M. C. H. Van Der Meulen, “Effects of surface roughness and maximum load on the mechanical properties of cancellous bone measured by nanoindentation,” *J. Biomed. Mater. Res. - Part A*, 2006.
- [41] M. J. Los, A. Hudecki, and E. Wechec, *Stem Cells and Biomaterials for Regenerative Medicine*. Elsevier Inc., 2019.
- [42] K. Aniołek, “The influence of thermal oxidation parameters on the growth of oxide layers on titanium,” *Vacuum*, 2017.
- [43] Y. J. Lee *et al.*, “Surface characteristics of thermally treated titanium surfaces,” *J. Periodontal Implant Sci.*, 2012.
- [44] S. C. Sartoretto, A. T. N. N. Alves, R. F. B. Resende, J. Calasans-Maia, J. M. Granjeiro, and M. D. Calasans-Maia, “Early osseointegration driven by the surface chemistry and wettability of dental implants,” *J. Appl. Oral Sci.*, 2015.
- [45] R. A. Gittens *et al.*, “A review on the wettability of dental implant surfaces II: Biological and clinical aspects,” *Acta Biomater.*, 2014.
- [46] T. Nagase, T. Ebina, T. Iwasaki, H. Hayashi, Y. Onodera, and M. Chatterjee, “Hydrothermal synthesis of brookite,” *Chemistry Letters*, no. 9. 1999.
- [47] S. Bakardjieva *et al.*, “Transformation of brookite-type TiO₂ nanocrystals to rutile: Correlation between microstructure and photoactivity,” *J. Mater.*

Chem., 2006.

- [48] ASM, 'Properties Nonferrous Alloys and Special Purpose Materials', Metal Handbook volume 2, Ohio, 1992.
- [49] Source Book, 'Titanium and Titanium Alloys', ASM, Ohio.
- [50] Rahmawati, Ayu. S, 2011, Pembuatan dan Karakterisasi Sel Surya Titanium Dioksida Sensitisasi Dye Antosianin dari Ekstrak Buah Strawberry, Skripsi Mahasiswa Jurusan Fisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor.
- [51] ASTM D7490-13 Standard Test Method for Measurement of the Surface Tension of Solid Coatings, Substrates and Pigments using Contact Angle Measurements, 2022
- [52] Sentrakalibrasiindustri.com. (2023, 4 Mei). Ultrasonic Cleaner Sebagai Alat Pembersih Dalam Paling Efektif. Diakses pada 4 Mei 2023 dari <https://www.sentrakalibrasiindustri.com/ultrasonic-cleaner-sebagai-alat-pembersih-dalam-paling-efektif/>
- [53] International Standards Office, 1982. ISO 468 Geometrical Product Specification (GPS) - Surface roughness - Parameters, their values and general rules for specifying requirements, London: British Standard Institute
- [54] International Standards Office, 1998. ISO 4287 Geometrical Product Specification (GPS) - Surface texture: profile method -Terms, definitions and surface texture parameters, London: British Standard Institute
- [55] International Standards Office , 1998, ISO 13565-2 Geometrical product specification (GPS) - surface texture: profile method; surface having stratified functional properties-part 3: height characterization using linear material ratio curve. London: British Standards Institute.
- [56] International Standards Office, 2000. ISO 13565-3 Geometrical Product Specification (GPS) - Surface texture: profile method; surface having stratified functional properties - part 3:height characterization using the material probability curve, London: British Standard Institute.

- [57] Sentrakalibrasiindustri.com. (2023, 10 Mei). Air Suling: Persyaratan dan Definisi Untuk Digunakan Di Laboratorium. Diakses pada 10 Mei 2023 dari <https://www.labmutu.com/2021/06/air-suling-destilasi.html>.
- [58] Rumondor, P.P, Porotu'o, J, dan Waworuntu, O. 2014. Identifikasi Bakteri pada Depot Air Minum Isi Ulang di Kota Manado. Jurnal e-Biomedik, Vol. 2, No. 2.

