

DAFTAR PUSTAKA

- [1] International Labor Organization, Meningkatkan Keselamatan dan Kesehatan Pekerja Muda. 2018
- [2] Nursalam, 2016 and A.Fallis, "Kecelakaan Kerja," J. Chem. Inf. Model., vol. 53, no. 9, pp. 1689–1699, 2013.
- [3] J. Affi, Rusrial, Gunawarman, "Pengaruh Ukuran serta Sudut Pemasangan Pin terhadap Kekuatan Sambungan Tulang Pasca Fraktur," vol. 21, no. 1, pp. 55–59, 2014.
- [4] C. Cases, "World Journal of Clinical Cases", vol. 3, no. 1, 2015.
- [5] I. C. Lavos-Valereto, S. Wolyneć, I. Ramires, A. C. Guastaldi, and I. Costa, "Electrochemical impedance spectroscopy characterization of passive film formed on implant Ti-6Al-7Nb alloy in Hank's solution," J. Mater. Sci. Mater. Med., vol. 15, no. 1, pp. 55–59, 2004.
- [6] Noam Eliaz, "Degradation of Implant Material", 2012.
- [7] T. M. Sridhar and S. Rajeswari, "Biomaterials Corrosion," Corros. Rev., vol. 27, no. Supplement, pp. 287–332, 2009.
- [8] H. Fajri, Gunawarman, Nurbaiti, J. Affi, M. Niinomi, and H. Nur, "Corrosion behaviour of titanium β type Ti-12Cr in 3% NaCl solution," Int. J. Adv. Sci. Eng. Inf. Technol., vol. 9, no. 5, pp. 1631–1636, 2019.
- [9] J. Affi, F. Ihsan, H. Fajri, and Gunawarman, "Corrosion Behavior of New Type Titanium Alloy As Candidate for Dental Wires in Artificial Saliva on Fluctuating Temperatures," IOP Conf. Ser. Mater. Sci. Eng., vol. 547, no. 1, pp. 1–9, 2019.
- [10] P. Afzali, R. Ghomashchi, and R. H. Oskouei, "On the corrosion Behaviour of low modulus titanium alloys for medical implant applications: A review," Metals (Basel), vol. 9, no. 8, 2019.
- [11] E. Fuentes, S. Alves, A. López-Ortega, L. Mendizabal, and V. Sáenz de Viteri,

“Advanced Surface Treatments on Titanium and Titanium Alloys Focused on Electrochemical and Physical Technologies for Biomedical Applications,” Biomater. Tissue Reconstr. or Regen., 2019.

- [12] X. Liu, P. K. Chu, and C. Ding, *“Surface modification of titanium, titanium alloys, and related materials for biomedical applications,”* Mater. Sci. Eng. R Reports, vol. 47, no. 3–4, pp. 49–121, 2004.
- [13] H. B. Ardhiyanto, F. Kedokteran, and G. Universitas, *“Peran hidroksiapatit sebagai material,”* pp. 13–15.
- [14] T. J. Levingstone, M. Ardhaoui, K. Benyounis, L. Looney, and J. T. Stokes, *“Plasma Sprayed Hydroxyapatite Coatings: Understanding Process Relationships using Design of Experiment Analysis,”* Surf. Coat. Technol., 2015.
- [15] T. Peltola, M. Pääsi, H. Rahiala, I. Kangasniemi, and A. Yli-Urpo, *“Calcium phosphate induction by sol-gel-derived titania coatings on titanium substrates in vitro,”* J. Biomed. Mater. Res., vol. 41, no. 3, pp. 504–510, 1998.
- [16] M. Yoshinari, Y. Ohtsuka, and T. Drands, *“Thin hydroxyapatite coating produced by the ion beam dynamic mixing method,”* vol. 15, no. 7, 1994.
- [17] N. Eliaz and T. M. Sridh, *“Electrocrystallization of hydroxyapatite and its dependence on solution conditions,”* Cryst. Growth Des., vol. 8, no. 11, pp. 3965–3977, 2008.
- [18] P. Mondragón-Cortez and G. Vargas-Gutiérrez, *“Electrophoretic deposition of hydroxyapatite submicron particles at high voltages,”* Mater. Lett., vol. 58, no. 7–8, pp. 1336–1339, 2004.
- [19] P. Mondragón-Cortez and G. Vargas-Gutiérrez, *“Electrophoretic deposition of hydroxyapatite submicron particles at high voltages,”* Mater. Lett., vol. 58, no. 7–8, pp. 1336–1339, 2004.
- [20] C. Costa De Almeida, L. Á. Sena, M. Pinto, C. A. Muller, J. H. Cavalcanti Lima, and G. D. A. Soares, *“In vivo characterization of titanium implants coated with synthetic hydroxyapatite by electrophoresis,”* Braz. Dent. J., vol. 16, no. 1, pp. 75–81, 2005.

- [21] H. Ehrlich, "Biological Materials of Marine Origin," pp. 3–22, 2010.
- [22] H. Kumar, K. Rajamallu, R. R. Tamboli, and S. R. Dey, "Fabrication of beta Ti-29Nb-13Ta-4.6Zr alloy through powder metallurgy route for biomedical" Transactions of PMAI, vol 44 (1), June 2018.
- [23] E. Takematsu, K. Cho, "Adhesive strength of bioactive oxide layers fabricated on TNTZ alloy by three different alkali-solution treatments," J. Mech. Behav. Biomed. Mater., vol. 61, pp. 174–181, 2016.
- [24] I. O. P. C. Series and M. Science, "Applications and prospects of titanium and its alloys in seawater desalination industry Applications and prospects of titanium and its alloys in seawater desalination industry," 2019.
- [25] W. R. Lacey, "Uncoated / Ceramic-Coated Implant Materials," pp. 21–26, 1999.
- [26] N. Eliaz and N. Metoki, "Calcium Phosphate Bioceramics : A Review of Their History , Structure , Properties , Coating Technologies and Biomedical Applications," 2017.
- [27] J. S. Al-sanabani, A. A. Madfa, and F. A. Al-sanabani, "Application of Calcium Phosphate Materials in Dentistry," no. February, 2014.
- [28] Z. C. Wang, F. Chen, L. M. Huang, and C. J. Lin, "Electrophoretic deposition and characterization of nano-sized hydroxyapatite particles," J. Mater. Sci., vol. 40, no. 18, pp. 4955–4957, 2005.
- [29] A. A. Abdeltawab, M. A. Shoeib, and S. G. Mohamed, "Electrophoretic deposition of hydroxyapatite coatings on titanium from dimethylformamide suspensions," Surf. Coatings Technol., vol. 206, no. 1, pp. 43–50, 2011.
- [30] F. Ramadhan , " Pelapisan Hidroksiapatit Tulang Sapi pada Titanium Paduan TNTZ Menggunakan Metoda EPD Sebagai Material Implan Sendi", 2019.
- [31] Nuzul Ficky Nuswantoro, "Pengaruh Ketebalan Lapisan Hidroksiapatit Pada Titanium TNTZ Terhadap Kadar TNF-Alpha, TGF-Beta, MMP-8, MMP-1, dan Nilai Osseointegrasi" .2020 .
- [32] J. Barthes, S. Ciftci, "Review: the potential impact of surface crystalline states

of titanium for biomedical applications,” Crit. Rev. Biotechnol., vol. 38, no. 3, pp. 423–437, 2018.

- [33] R. Ulfah, “Penggunaan *Bone Graft* pada Implan Dental,” 2010.
- [34] N. Sara, “Pengaruh Jenis Bahan dan waktu *Degreasing* Terhadap Kualitas dan Kuantitas Gelatin Tulang Ayam,” 2014.
- [35] J. Jeong, J. H. Kim, J. H. Shim, N. S. Hwang, and C. Y. Heo, “*Bioactive calcium phosphate materials and applications in bone regeneration,*” pp. 1–11, 2019.
- [36] P. Sotiropoulou, G. Fountos, N. Martini, “*Bone calcium/phosphorus ratio determination using dual energy X-ray method,*” Phys. Medica, vol. 31, no. 3, pp. 307–313, 2015.
- [37] Haibo Wang, B.S, “*Hydroxyapatite Degradation and Biocompatibility,*” Dissertation, 2004.

