

DAFTAR PUSTAKA

- [1] Republika, “Indonesia Urutan Pertama Peningkatan Kecelakaan Lalu Lintas,” 2013. [Online]. Available: www.republika.co.id/berita/nasional/umum/4/11/06/nem9nc-indonesiaurutan-pertama-peningkatan-kecelakaan-lalu-lintas. [Accessed: 31-Aug-2018].
- [2] M. Geetha, A. K. Singh, R. Asokamani, and A. K. Gogia, “Ti based biomaterials, the ultimate choice for orthopaedic implants - A review,” *Prog. Mater. Sci.*, vol. 54, no. 3, pp. 397–425, 2009.
- [3] E. Mohseni, E. Zalnezhad, and A. R. Bushroa, “Comparative investigation on the adhesion of hydroxyapatite coating on Ti-6Al-4V implant: A review paper,” *Int. J. Adhes. Adhes.*, vol. 48, pp. 238–257, 2014.
- [4] L. L. Hench, “Hench L. Bioceramics: from concept to clinic. J Am Ceram Soc. 1993;72:93-98.,” *J. Am. Ceram. Soc.*, vol. 74, pp. 1487–1510, 1991.
- [5] M. Farrokhi-Rad and T. Shahrabi, “Effect of triethanolamine on the electrophoretic deposition of hydroxyapatite nanoparticles in isopropanol,” *Ceram. Int.*, vol. 39, no. 6, pp. 7007–7013, 2013.
- [6] J. Hench, L. L., Wilson, “An Introduction To Bioceramic. Advanced Seriesin Cheramics,” vol. 1, pp. 1–396, 1993.
- [7] C. T. Kwok, P. K. Wong, F. T. Cheng, and H. C. Man, “Characterization and corrosion behavior of hydroxyapatite coatings on Ti6Al4V fabricated by electrophoretic deposition,” *Appl. Surf. Sci.*, vol. 255, no. 13–14, pp. 6736–6744, 2009.
- [8] M. Akram, R. Ahmed, I. Shakir, W. A. W. Ibrahim, and R. Hussain, “Extracting hydroxyapatite and its precursors from natural resources,” *J. Mater. Sci.*, vol. 49, no. 4, pp. 1461–1475, 2014.
- [9] R. E. Fanny, “Pelapisan Hydroxyapatite Partikel Mikro pada Titanium Paduan (Ti6Al4V) ELI dengan metode Electrophoretic Deposition sebagai Implan Fiksasi Patah Tulang,” Universitas Andalas, Padang, 2018.

- [10] Universitas Gadjah Mada, “Material Implan dan Maksilofasal.”
- [11] Arcam, “Ti6Al4V ELI Titanium Alloy Specification Sheet,” pp. 4–6, 2013.
- [12] P. X. Ma, “Biomimetic materials for tissue engineering,” *Biomaterials*, vol. 60, pp. 184–198, 2008.
- [13] Y. Yu, *Biomedical Materials*. Tianjin: Tianjin University Press, 2002.
- [14] N. Pramanik, D. Mishra, I. Banerjee, T. K. Maiti, P. Bhargava, and P. Pramanik, “Chemical Synthesis, Characterization, and Biocompatibility Study of Hydroxyapatite/Chitosan Phosphate Nanocomposite for Bone Tissue Engineering Applications,” *Int. J. Biomater.*, vol. 2009, pp. 1–8, 2009.
- [15] I. Corni, M. P. Ryan, and A. R. Boccaccini, “Electrophoretic deposition: From traditional ceramics to nanotechnology,” *J. Eur. Ceram. Soc.*, vol. 28, no. 7, pp. 1353–1367, 2008.
- [16] L. Yao, C. Chen, D. G. Wang, Q. Bao, and J. Ma, “Advancement in preparation of hydroxyapatite/bioglass graded coatings by electrophoretic deposition,” *Surf. Rev. Lett.*, vol. 12, no. 5–6, pp. 773–779, 2005.
- [17] S. Wang and Y. Zheng, “Effect of different thickness h-BN coatings on interface shear strength of quartz fiber reinforced SiOCN composite,” *Appl. Surf. Sci.*, vol. 292, pp. 876–879, 2014.
- [18] O. S. Yildirim, B. Aksakal, H. Celik, Y. Vangolu, and A. Okur, “An investigation of the effects of hydroxyapatite coatings on the fixation strength of cortical screws,” *Med. Eng. Phys.*, vol. 27, no. 3, pp. 221–228, 2005.
- [19] S. Rahayu, R. Nuryadi, L. Aprilia, H. Purwati, “Pengaruh Tegangan dan Waktu Deposisi terhadap Pelapisan TiO₂ dengan Metode Elektroforesis. Pusat Teknologi Material, BPP,” 2012.
- [20] W. Xia, L. Fu, and H. Engqvist, “Critical cracking thickness of calcium phosphates biomimetic coating: Verification via a Singh-Tirumkudulu model,” *Ceram. Int.*, vol. 43, no. 17, pp. 15729–15734, 2017.

- [21] L. Besra and M. Liu, “A review on fundamentals and applications of electrophoretic deposition (EPD),” *Prog. Mater. Sci.*, vol. 52, no. 1, pp. 1–61, 2007.
- [22] Harlendri, “Pengaruh Temperatur Sintering terhadap Pelapisan Bilayers Hydroxyapatite pada Titanium (Ti-6Al-4V) ELI dengan Metode Electrophoretic Deposition sebagai Implan pada Jaringan Tulang,” Universitas Andalas, 2018.
- [23] Designation D3359, “Standard Test Methods for Measuring Adhesion by Tape Test,” pp. 1–8, 2012.

