

DAFTAR PUSTAKA

- [1] M. Niinomi, "Recent metallic materials for biomedical applications," *Metallurgical and materials transactions A*, vol. 33, no. 3, p. 477, 2002.
- [2] J. M. Anderson and K. M. Miller, "Biomaterial biocompatibility and the macrophage," *Biomaterials*, vol. 5, no. 1, pp. 5-10, 1984.
- [3] O. S. Bondan T. Sofyan , Myrna A. Mochtar, "Magnesium dan Paduannya Sebagai Biomaterial: Sebuah Kajian Literatur," *Prosiding Seminar Material Metalurgi* 2013.
- [4] B. Syrett and A. Acharya, *Corrosion and degradation of implant materials*. ASTM International, 1979.
- [5] F. Witte *et al.*, "In vivo corrosion of four magnesium alloys and the associated bone response," *Biomaterials*, vol. 26, no. 17, pp. 3557-3563, 2005.
- [6] M. P. Staiger, A. M. Pietak, J. Huadmai, and G. Dias, "Magnesium and its alloys as orthopedic biomaterials: a review," *Biomaterials*, vol. 27, no. 9, pp. 1728-1734, 2006.
- [7] F. Witte *et al.*, "Degradable biomaterials based on magnesium corrosion," *Current opinion in solid state and materials science*, vol. 12, no. 5-6, pp. 63-72, 2008.
- [8] A. Myrissa, S. Braeuer, E. Martinelli, R. Willumeit-Römer, W. Goessler, and A. M. Weinberg, "Gadolinium accumulation in organs of Sprague-Dawley® rats after implantation of a biodegradable magnesium-gadolinium alloy," *Acta biomaterialia*, vol. 48, pp. 521-529, 2017.
- [9] F. Setiawan, "Karakterisasi penyalaan magnesium AZ31 pada proses bubut menggunakan aplikasi thermografi," Fakultas Teknik, 2014.
- [10] B. Mordike and T. Ebert, "Magnesium: properties—applications—potential," *Materials Science and Engineering: A*, vol. 302, no. 1, pp. 37-45, 2001.
- [11] Hernawati, "PERANAN MAGNESIUM PADA KESEHATAN HEWAN DAN MANUSIA," Jurusan Pendidikan Biologi, Universitas Pendidikan Indonesia, Bandung.

- [12] U. Sumirat, A. Djohar, I. Kuntadi, and S. Supriatno, "Analisis Sifat Mekanis Magnesium Melalui Uji Tarik," in *Prosiding Seminar Nasional Teknoka*, 2017, vol. 2, pp. M1-M3.
- [13] D. F. Williams, *Definitions in biomaterials: proceedings of a consensus conference of the European Society for Biomaterials, Chester, England, March 3-5, 1986*. Elsevier Science Limited, 1987.
- [14] B. D. Ratner, A. S. Hoffman, F. J. Schoen, and J. E. Lemons, *Biomaterials science: an introduction to materials in medicine*. Elsevier, 2004.
- [15] J. Davis, "Overview of biomaterials and their use in medical devices," *Handbook of materials for medical devices*, pp. 1-11, 2003.
- [16] R. E. Smallman and R. J. Bishop, *Modern physical metallurgy and materials engineering*. elsevier, 1999.
- [17] C. Sutowo, M. Ikhsan, and I. Kartika, "Karakteristik Material Biokompetibel Aplikasi Implan Medis Jenis Bone Plate," *Prosiding Semnastek*, vol. 1, no. 1, 2014.
- [18] J. Park and R. S. Lakes, *Biomaterials: an introduction*. Springer Science & Business Media, 2007.
- [19] R. Fazel-Rezai, *Biomedical Engineering-From Theory to Applications*. 2011.
- [20] R. Newman and T. Shahrabi, "The effect of alloyed nitrogen or dissolved nitrate ions on the anodic behaviour of austenitic stainless steel in hydrochloric acid," *Corrosion Science*, vol. 27, no. 8, pp. 827-838, 1987.
- [21] L. A. Alicea, J. I. Aviles, I. A. López, L. E. Mulero, and L. A. Sánchez, "Mechanics biomaterials: stents," *Course Materials in the Department of General Engineering, University of Puerto Rico, Mayaguez*, 2004.
- [22] M. Moravej and D. Mantovani, "Biodegradable metals for cardiovascular stent application: interests and new opportunities," *International journal of molecular sciences*, vol. 12, no. 7, pp. 4250-4270, 2011.
- [23] P. K. Bowen *et al.*, "Biodegradable metals for cardiovascular stents: from clinical concerns to recent Zn-Alloys," *Advanced healthcare materials*, vol. 5, no. 10, pp. 1121-1140, 2016.

- [24] S. J. Suprapto, "Tinjauan tentang unsur tanah jarang," *Buletin Sumber Daya Geologi*, vol. 4, no. 1, pp. 36-47, 2009.
- [25] A. W. Fadhilah, "Senyawa Kompleks Gadolinium dietilentriaminpentaasetat (GdDTPA) di Bidang Kesehatan."
- [26] J. Kubásek and D. Vojtěch, "Structural and corrosion characterization of biodegradable Mg-RE (RE= Gd, Y, Nd) alloys," *Transactions of Nonferrous Metals Society of China*, vol. 23, no. 5, pp. 1215-1225, 2013.
- [27] T. Zheng, Y. Hu, and S. Yang, "Effect of grain size on the electrochemical behavior of pure magnesium anode," *Journal of magnesium and alloys*, vol. 5, no. 4, pp. 404-411, 2017.
- [28] W. D. Callister and D. G. Rethwisch, *Materials science and engineering: an introduction*. John Wiley & Sons New York, 2007.
- [29] A. D638-02a, "Standard test method for tensile properties of plastics," ed: ASTM International West Conshohocken, 2002.

