

DAFTAR PUSTAKA

- [1] B. P. Statistik, “No Title,” 2019. [Online]. Available: <https://www.bps.go.id/indicator/17/513/1/jumlah-kecelakaan-korban-mati-luka-berat-luka-ringan-dan-kerugian-materi.html>.
- [2] H. Waizy *et al.*, “Biodegradable magnesium implants for orthopedic applications,” *Journal of Materials Science*. 2013.
- [3] C. De Liao, T. H. Liou, Y. Y. Huang, and Y. C. Huang, “Effects of balance training on functional outcome after total knee replacement in patients with knee osteoarthritis: A randomized controlled trial,” *Clin. Rehabil.*, 2013.
- [4] M. A. . M. Bondan T . Sofyan , Oknovia Susanti, “Magnesium dan Paduannya Sebagai Biomaterial : Sebuah Kajian Literatur,” no. December, 2016.
- [5] N. Hort *et al.*, “Magnesium alloys as implant materials-Principles of property design for Mg-RE alloys,” *Acta Biomater.*, 2010.
- [6] D. Liu, D. Yang, X. Li, and S. Hu, “Mechanical properties, corrosion resistance and biocompatibilities of degradable Mg-RE alloys: A review,” *J. Mater. Res. Technol.*, vol. 8, no. 1, pp. 1538–1549, 2019.
- [7] F. Mahyudin, H. C. Waskita, D. N. Utomo, H. Suroto, and T. W. Martanto, “Uji Biokompatibilitas pada Implan Orthopedi Antara Implan Impor, Implan Lokal dari Material Impor, dan Prototipe Stainless Steel 316L dari Material Lokal,” *Qanun Med. - Med. J. Fac. Med. Muhammadiyah Surabaya*, vol. 3, no. 1, p. 7, 2019.
- [8] I. Sutowo, Cahya ikhsan,Muhammad Kartika, “KARAKTERISTIK MATERIAL BIOKOMPETIBEL APLIKASI IMPLAN MEDIS JENIS BONE PLATE,” *Semin. Nas. Sains dan Teknol. 2014 Fak. Tek. Univ. Muhammadiyah Jakarta*, 2014.
- [9] B. D. Ratner, “The Biocompatibility of Implant Materials,” in *Host Response to Biomaterials: The Impact of Host Response on Biomaterial Selection*, 2015.
- [10] 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," *Corros. Sci.*, vol. 27, 1987.
- [11] D. Bian *et al.*, "In Vitro and in Vivo Studies on Biomedical Magnesium Low-Alloying with Elements Gadolinium and Zinc for Orthopedic Implant Applications," *ACS Appl. Mater. Interfaces*, 2018.
- [12] I. Sukmana, A. Hermanto, and Y. Burhanuddin, "Aplikasi Logam Magnesium dan Paduannya Sebagai Material Baut Tulang Mampu Luruh," *Proceeding Semin. Nas. Tah. Tek. Mesin XV (SNTTM XV)*, 2016.
- [13] F. Witte *et al.*, "In vivo corrosion and corrosion protection of magnesium alloy LAE442," *Acta Biomater.*, vol. 6, no. 5, pp. 1792–1799, 2010.
- [14] S. Shadanbaz and G. J. Dias, "Calcium phosphate coatings on magnesium alloys for biomedical applications: A review," *Acta Biomaterialia*. 2012.
- [15] B. L. Mordike and T. Ebert, "Magnesium Properties - applications - potential," *Mater. Sci. Eng. A*, vol. 302, pp. 37–45, 2001.
- [16] A. Insan Adiyatma, "PENGARUH MAGNESIUM TERHADAP PROSES ELECTROLESS PLATING PADA PARTIKEL PENGUAT Al₂O₃," *Fak. Tek. Progr. Stud. Tek. Metal. Dan Mater. Depok*, 2010.
- [17] M. P. Staiger, A. M. Pietak, J. Huadmai, and G. Dias, "Magnesium and its alloys as orthopedic biomaterials: A review," *Biomaterials*. 2006.
- [18] D. Xia *et al.*, "In vitro and in vivo investigation on biodegradable Mg-Li-Ca alloys for bone implant application," *Sci. China Mater.*, vol. 62, no. 2, pp. 256–272, 2019.
- [19] M. K. Ajiriyanto, D. Anggraini, and R. Kriswarini, "Analisis Korosi Paduan ZIRLO-Mo Dalam Media NaCl Menggunakan Metode Polarisasi," *Urania J. Ilm. Daur Bahan Bakar Nukl.*, vol. 23, pp. 139–204, 2017.
- [20] N. T. Kirkland, J. Lespagnol, N. Birbilis, and M. P. Staiger, "A survey of bio-corrosion rates of magnesium alloys," *Corrosion Science*. 2010.
- [21] L. Hou *et al.*, "In vitro and in vivo studies on biodegradable magnesium alloy," *Prog. Nat. Sci. Mater. Int.*, 2014.
- [22] D. Liu, D. Yang, X. Li, and S. Hu, "Mechanical properties, corrosion resistance and biocompatibilities of degradable Mg-RE alloys: A review," *Journal of Materials Research and Technology*. 2019.
- [23] F. Cecchinato *et al.*, "Influence of magnesium alloy degradation on

- undifferentiated human cells," *PLoS One*, vol. 10, 2015.
- [24] B. A. Gani, "Immuno-Biokompatibilitas Pada Material Implan: Review Article," *Cakradonya Dent J*, 2015.
- [25] S. N. FADILAH, "Uji Sitotoksitas Ekstrak N-Heksan Belut (Monopterus albus) Yayasan Kanker Terhadap Sel Michigan 7," UINN ALAUDDIN MAKASSAR, 2019.
- [26] K. Neritika, "Uji Sitotoksitas Ekstrak Etanolik Daun Sirih Mer," Universitas Sanata Dharma, 2008.
- [27] "ISO 10993-5," in *International Standard*, Third., Switzerland, 2009.
- [28] A. Zulfa, Elya; Susilowati, Sri; Budiarti, "Uji Sitotoksitas Ekstrak Metanol Umbi Bit (Beta Vulgaris L. Var. Rubra L.) Terhadap Cell Line T47D," *J. Ilmu Farm. dan Farm. Klin.*, no. Jurnal Ilmu Farmasi & Farmasi Klinik Volume 12 No. 1 Juni 2015, pp. 20–25, 2015, [Online]. Available: <https://publikasiilmiah.unwahas.ac.id/index.php/Farmasi/article/view/1396>.
- [29] Y. Wen *et al.*, "Improving in vitro and in vivo corrosion resistance and biocompatibility of Mg–1Zn–1Sn alloys by microalloying with Sr," *Bioact. Mater.*, vol. 6, no. 12, pp. 4654–4669, 2021.

