

DAFTAR PUSTAKA

- [1] B. P. Statistik, 2017, "Jumlah Kecelakaan, Koban Mati, Luka Berat, Luka Ringan, dan Kerugian Materi yang Diderita Tahun 1992-2017". Dikutip dari <https://www.bps.go.id/dynamictable/2016/02/09/1134/jumlah-kecelakaan-koban-mati-luka-berat-luka-ringan-dan-kerugian-materi-yang-diderita-tahun-1992-2015.html>, Mei 2018
- [2] D. Annur and F. P. Lestari, 2015, "Studi Penambahan Unsur Ca Pada Paduan Biner Mg-Ca terhadap Pembentukan Fasa dan Korosi In-Vitro Untuk Aplikasi Implan Mampu Luruh [Study of Calcium Addition in Mg-Ca Binary Alloy in Phase Transformation and in-Vitro Corrosion For Biodegradable Implant]," *Metalurgi*, vol. 30, no. 2, pp. 63-70,
- [3] Hikmat, 2012, "Metode Baru Penyembuhan Patah Tulang", Dikutip dari <https://www.dw.com/id/metode-baru-penyembuhan-patah-tulang/a-15744534>, Mei 2018
- [4] M. P. Staiger, A. M. Pietak, J. Huadmai, and G. Dias, 2006, "Magnesium and Its Alloys as Orthopedic Biomaterials: a review," *Biomaterials*, vol. 27, no. 9, pp. 1728-1734,
- [5] B. R. a. D. Williams, 1981, "Biocompatibility of Clinical Implant Materials", Boca Raton Fla : CRC Press
- [6] Y. K. Afandi, I. S. Arief, and A. Amiadji, 2015, "Analisa Laju Korosi Pada Pelat Baja Karbon dengan Variasi Ketebalan Coating," *Jurnal Teknik ITS*, vol. 4, no. 1, pp. G1-G5, 2015.
- [7] M. A. Bondan Sofyan, Oknovia Susanti, 2013, "Magnesium dan Paduannya sebagai Biomaterial : Sebuah Kajian Literatur", Serpong : Universitas Indonesia
- [8] D. Liu, D. Yang, X. Li, and S. Hu, 2018, "Mechanical Properties, Corrosion Resistance and Biocompatibilities of Degradable Mg-RE Alloys: A Review," *Journal of Materials Research and Technology*

- [9] F. Cecchinato *et al.*, 2015, "Influence of Magnesium Alloy Degradation on Undifferentiated Human Cells," *PloS one*, vol. 10, no. 11, p. e0142117,
- [10] O. D. Cakra Januar R, 2017, "Ilmu Logam Magnesium dan Paduannya, Surabaya, Institut Teknologi Sepuluh Nopember
- [11] U. Gröber, J. Schmidt, and K. Kisters, 2015, "Magnesium in Prevention and Therapy," *Nutrients*, vol. 7, no. 9, pp. 8199-8226, 2015.
- [12] M. K. Ajiriyanto, D. Anggraini, and R. Kriswarini, 2017, "Analisis Korosi Paduan ZIRLO-Mo dalam Media NaCl Menggunakan Metode Polarisasi," *Urania*, vol. 23, no. 3, pp. 139-204,
- [13] K. R. M. Sinaga, "Pengembangan aplikasi sitem periodik unsur kimia pada Ponsel Menggunakan J2Me,"
- [14] J. Chen, L. Tan, X. Yu, and K. Yang, 2019, "Effect of Minor Content of Gd on The Mechanical and Degradable Properties of as-cast Mg-2Zn-xGd-0.5 Zr Alloys," *Journal of materials science & technology*, vol. 35, no. 4, pp. 503-511.
- [15] N. Hort *et al.*, 2010, "Magnesium Alloys as Implant Materials–Principles of Property Design For Mg–RE Alloys," *Acta biomaterialia*, vol. 6, no. 5, pp. 1714-1725, 2010.
- [16] B. Utomo, "Jenis Korosid Dan Penanggulangannya," *Kapal*, vol. 6, no. 2, pp. 138-141, 2009.
- [17] M. T. Supriyono S.T, 2016, "Performa Elektrokimia : Polarisasi Linier", Dikutip <http://ilmuwantekkim.lecture.ub.ac.id/2016/11/uji-performa-elektrokimia-polarisasi-linier/>, Diakses pada 10 April 2018.
- [18] M. G. Fontana, 2005, "Corrosion engineering", Tata McGraw-Hill Education, McGraw Hill Education.
- [19] A. Nikitasari, M. S. Anwar, E. Mabururi, and S. Sundjono, 2018, "Evaluasi Inhibitor Sodium Nitrit di dalam Larutan Beton Sintetis," *Jusami| Indonesian Journal of Materials Science*, vol. 16, no. 1, pp. 12-18,

- [20] a. biz, 2016, "Proses Pengerollan/Canai Panas-Dingin. Hot-Cold Rolling," Dikutip di <https://ardra.biz/sain-teknologi/metalurgi/pembentukan-logam-metal-forming/proses-canai-panas-canai-dingin-hot-rolling-cold-rolling/>, Di akses pada 29 Agustus 2019.
- [21] Dionsisius, 2015, "Rolling (Pengerolan)," Dikutip di <http://teknikmesinmanufaktur.blogspot.com/2015/06/rolling.html>, Diakses pada 29 Agustus 2019.
- [22] D. Iandiano, 2011, "Studi Laju Korosi Baja Karbon Untuk Pipa Penyalur Proses Produksi Gas Alam yang Menganung Gas CO₂ Pada Lingkungan NaCl 0.5, 1.5, 2.5 dan 3.5%," Depok, Jurusan Teknik Metalurgi dan Material FT-UI
- [23] S. Zhang *et al.*, 2009, "In vitro degradation, hemolysis and MC3T3-E1 cell adhesion of biodegradable Mg-Zn alloy", Shanghai, Shanghai Jiao Tong University, *Materials Science and Engineering*
- [24] F. Cao, Z. Shi, G.-L. Song, M. Liu, M. S. Dargusch, and A. Atrens, 2014, "Influence of hot rolling on the corrosion behavior of several Mg-X alloys", Brisbane, The University of Queensland, *Corrosion Science*, vol. 90, pp. 176-191
- [25] D. Song, A. Ma, J. Jiang, P. Lin, D. Yang, and J. Fan, 2010, "Corrosion behavior of equal-channel-angular-pressed pure magnesium in NaCl aqueous solution," *Corrosion Science*, vol. 52, no. 2, pp. 481-490
- [26] J. Chang, X. Guo, S. He, P. Fu, L. Peng, and W. Ding, 2008, "Investigation of the corrosion for Mg-xGd-3Y-0.4 Zr (x= 6, 8, 10, 12 wt%) alloys in a peak-aged condition, Shanghai, Shanghai Jiatong University" *Corrosion Science*, vol. 50, no. 1, pp. 166-177.
- [27] J. Gan *et al.*, 2019, "Microstructure and high-temperature mechanical properties of second-phase enhanced Mo-La₂O₃-ZrC alloys post-treated by cross rolling, Beijing, Tsinghua University" *Journal of Alloys and Compounds*, vol. 796, pp. 167-175