

DAFTAR PUSTAKA

- [1] B. Badan Pusat Statistik Kota Padang, “Banyaknya Kecelakaan Lalu Lintas 2016-2018,” <https://padangkota.bps.go.id/>, 2019.
<https://padangkota.bps.go.id/indicator/160/261/1/banyaknya-kecelakaan-lalu-lintas.html> (accessed Mar. 08, 2021).
- [2] R. Mittal and S. Banerjee, “Proximal femoral fractures: Principles of management and review of literature,” *J. Clin. Orthop. Trauma*, vol. 3, no. 1, pp. 15–23, 2012, doi: 10.1016/j.jcot.2012.04.001.
- [3] M. E. Stevenson, M. E. Barkey, and R. C. Bradt, “Fatigue failures of austenitic stainless steel orthopedic fixation devices,” *J. Fail. Anal. Prev.*, vol. 2, no. 3, pp. 57–64, 2002, doi: 10.1007/bf02719191.
- [4] J. B. Marcomini, C. A. R. P. Baptista, J. P. Pascon, R. L. Teixeira, and F. P. Reis, “Investigation of a fatigue failure in a stainless steel femoral plate,” *J. Mech. Behav. Biomed. Mater.*, vol. 38, pp. 52–58, 2014, doi: 10.1016/j.jmbbm.2014.06.011.
- [5] E. Proverbio and L. M. Bonaccorsi, “Microstructural analysis of failure of a stainless steel bone plate implant,” *J. Fail. Anal. Prev.*, vol. 1, no. 4, pp. 33–38, 2001, doi: 10.1007/bf02715331.
- [6] B. Gervais, A. Vadean, M. Raison, and M. Brochu, “Failure analysis of a 316L stainless steel femoral orthopedic implant,” *Case Stud. Eng. Fail. Anal.*, vol. 5–6, pp. 30–38, 2016, doi: 10.1016/j.csefa.2015.12.001.
- [7] L. Yan, J. L. Lim, J. W. Lee, C. S. H. Tia, G. K. O’Neill, and D. Y. R. Chong, “Finite element analysis of bone and implant stresses for customized 3D-printed orthopaedic implants in fracture fixation,” *Med. Biol. Eng. Comput.*, vol. 58, no. 5, pp. 921–931, 2020, doi: 10.1007/s11517-019-02104-9.
- [8] C. Barbosa, J. L. do Nascimento, I. M. V. Caminha, and I. C. Abud, “Premature failure in orthopedic implants: Analysis of three different cases,” *J. Fail. Anal. Prev.*, vol. 9, no. 1, pp. 67–73, 2009, doi:

10.1007/s11668-008-9192-z.

- [9] A. Yeganeh, B. Otoukesh, P. Kaghazian, N. Yeganeh, B. Boddohi, and M. Moghtadaei, "Evaluation of the Etiologies of Implant Fracture in Patients With Fractures of the Implants of Lower Limbs' Long Bones," *Med. Arch. (Sarajevo, Bosnia Herzegovina)*, vol. 69, no. 6, pp. 405–408, 2015, doi: 10.5455/medarh.2015.69.405-408.
- [10] M. N. Latif, R. A. Nabawi, I. P. Nanda, and R. E. Sahputra, "Simulasi Dan Analisis Locking Compression Plate Implan Tulang Paha Menggunakan Metoda Finite Element Analysis," vol. 19, no. 1, 2019.
- [11] F. K. Geitner and H. P. Bloch, "Metallurgical Failure Analysis," in *Machinery Failure Analysis and Troubleshooting*, Elsevier, 2012, pp. 11–85.
- [12] K. Varaprasad and T. Jayaramudu, "Biomaterials: Design, Development and Biomedical Applications," no. December 2017, 2015, doi: 10.1016/B978-0-323-32889-0.00002-9.
- [13] A. Tathe, M. Ghodke, and A. P. Nikalje, "A brief review: Biomaterials and their application," *Int. J. Pharm. Pharm. Sci.*, vol. 2, no. SUPPL. 4, pp. 19–23, 2010.
- [14] C. Sutowo, M. Ikhsan, and I. Kartika, "Karateristik Material Biokompetibel Aplikasi Implan Medis Jenis Bone Plate," *Semin. Nas. Sains dan Teknol.* 2014, no. November, pp. 1–5, 2014.
- [15] D. Ilmu and M. Kedokteran, "Makalah biomaterial," 2009.
- [16] Doenges, M. E., Moorhouse, M. F., dan Geissler. AC, 2002, *Rencana Keperawatan. Pedoman Umum Perencanaan dan Pendokumentasian Perawatan* (terjemahan M. Kariasa, dan N. M. Sumawati), Jakarta Press, Jakarta.
- [17] Rasjad, Chairuddin, 2007. *Pengantar Ilmu Bedah Ortopedi*, Edisi Ketiga. Yarsif Watampore, Jakarta.

- [18] Nasrullah Muhammad. 2016. "*Pengembangan desain Optimal Bone Sekrup Untuk Implan Ortopedi Menggunakan Ansys: Pengaruh Diameter Screw dan Pemilihan material.*" Thesis Program studi Magister Jurusan Teknik Material dan Metalurgi fakultas Teknologi Sepuluh Nopember Surabaya.
- [19] Wong, J.Y. Bronzino, J.D. Peterson, D.R, eds. 2012. *Biomaterials Principles and Practices*. Boca Raton. Florida. CRC Press. p. 281. ISBN 9781439872512
- [20] McLatchie, G. Borley, N. Chikwe, J, eds. 2013. *Oxford Handbook of Clinical Surgery*. Oxford, UK: OUP Oxford. p. 794. ISBN 9780199699476.
- [21] A. Pickering, "Culture: Science studies and technoscience," *SAGE Handb. Cult. Anal.*, no. January, pp. 291–310, 2008, doi: 0.4135/9781848608443.n14.
- [22] P. Dewo *et al.*, "Mechanical properties of Indonesian-made narrow dynamic compression plate," *J. Mech. Behav. Biomed. Mater.*, vol. 13, no. August, pp. 93–101, 2012, doi: 10.1016/j.jmbbm.2012.04.018.
- [23] Kontakis, G. M., Tosounidis, T., and Pagkalos, J. 2007. "*Humeral diaphyseal aseptic non-unions: An algorithm of management Injury.*" vol. 38, pp. 39-49.
- [24] Sommer C, Emanuel G, 2003. Guidelines For The Clinical Application Of The LCP. International Journal Care Injured. Vol. S-B63-S-B76.
- [25] Xiong, Y., Zhao, Y., Wang, Z., Du, Q., Chen, W., and Wang, A. 2009. "*Comparison of a new minimum contact locking plate and the limited contact dynamic compression plate in a osteoporotic fracture model.*" International Orthopaedics, vol. 33, pp. 1415-1419.
- [26] Ya'ish, F. M. M., Nanu, A. M., and Cross, A. T. 2011. "*Can DCP and LCP plates generate more compression? The effect of multiple eccentrically placed screws and their drill positioning guides.*" Injury, vol. 42, pp. 1095-1100.

- [27] A. J. Sinaga and C. Manurung, "Analisa Laju Korosi dan Kekerasan Pada Stainless Steel 316 L Dalam Larutan 10 % NaCl Dengan Variasi Waktu Perendaman," *Sprocket J. Mech. Eng.*, vol. 1, no. 2, pp. 92–99, 2020, doi: 10.36655/sprocket.v1i2.186.
- [28] K. C. Walley, M. Bajraliu, T. Gonzalez, and A. Nazarian, "The Chronicle of a Stainless Steel Orthopaedic Implant," *Orthop. J. Harvard Med. Sch.*, vol. 17, pp. 68–74, 2016.
- [29] I. N. Jujur, J. Sah, A. Bakri, and A. H. S. Wargadipura, "Analysis of oxide inclusions on medical grade 316L stainless steel using local raw," *Int. J. Technol.*, vol. 6, no. 7, pp. 1184–1190, 2015, doi: 10.14716/ijtech.v6i7.1263.
- [30] Kurtz, S. 2016. *UHMWPE Biomaterials Handbook*, third ed. William Andrew, Oxford.
- [31] Prasetyo, Agung. 2010. "Pengaruh Variasi Kandungan Silikon Terhadap Korosi Paduan Kobalt (ASTM F 75) Hasil Metalurgi Serbuk Dalam Larutan Artificial Blood Plasma Dengan Teknik Polarisasi Potensio dinamik dan Teknik Exposure." Skripsi FT Universitas Indonesia. Depok.
- [32] Falcone, S.J., Palmeri, D., Berg, R.A. 2006. "Biomedical applications of hyaluronic acid. In: *Polysaccharides for Drug Delivery and Pharmaceutical Applications*." ACS Symposium Series. Vol. 934. American Chemical Society, pp. 155–174.
- [33] Pilliar, Robert M. 2009. *Metallic Biomaterials. Biomedical Materials*.