DAFTAR PUSTAKA

AHFS. 2011. Drug Information Essentials.

Ananda, R. 2016. Uji Efektivitas Injektabel Alendronat Terhadap Defect Tulang Akibat Osteoporosis. Surabaya : Universitas Airlangga.

Astrand, J., & Aspenberg, P. 2004. Topical, Single Dose Bisphosphonate Treatment Reduced Bone Resorption in a Rat Model for Prosthetic Loosening. *Journal of Orthopaedic Research 22*, pp.244-249.

Badan Intelijen Negara. 2014 . Kecelakaan Lalu Lintas Menjadi Pembunuh Terbesar Ketiga. Diakses dari http://www.bin.go.id/awas/detil/197/4/2/01/14 , pada 2 januari 2014.

Bigi, A., Cojazzi, G., Panzavolta, S., Rubini, K., & Roveri, N. 2001. Mechanical and Thermal Properties of Gelatin Films at Di!erent Degrees of Glutaraldehyde Crosslinking. *Journal of Biomaterial* 22, p. 763-768.

Budiatin, A. S. 2014. Pengaruh Slutaraldehid sebagai *Cross-link Agent* Gentamisin dengan Gelatin Terhadap Peningkatan Efektifitas *Bovine Hydroxyapatite*-Gelatin Sebagai Sistem penghantaran Obat dan Pengisi Tulang. Surabaya: Universitas Airlangga.

Binulal, N. S., Natarajan, A., Menon, D., Bhaskaran, V. K., Mony, U., & Nair, S. V. 2013. PCL–Gelatin Composite Nanofibers Electrospun using Diluted Acetic Acid–Ethyl Acetate Solvent System for Stem Cell-Based Bone Tissue Engineering. *Journal of Biomaterials Science*, Polymer Edition, 25(4), p. 325–340.

Böstman, O., and Pihlajamäki, H. 2000. *Clinical Biocompatibility of Biodegradable Orthopaedic Implant For Internal Fixation*: a review. Biomaterial, p. 2615-2621.

Böstman, O., Hirvensalo, E., Partio, E., Tormälä, P. 1992. *Resorbable rods and screws of polyglycolide in stabilizing malleolar fractures.* A Clinical Study, p. 109-112.

Chao., Shao, C., Wang, J., Yen, S. K. 2015. *Preparation and Characterization of Gelatin-Hydroxyapatite Composite Micropheres for Hard Tissue Repair*. Material Science and Engineering, p. 1-2.

Chaya A, Yoshizawa S, Verdelis K, Noorani S, Costello B, Sfeir C. 2014. Fracture Healing Using Degradable Magnesium Fixation Plates and Screws. *Journal of Oral and MaxillofacialSurgery,* pp. 1-16.

Doenges M, *et al*. 2000. Rencana asuhan keperawatan pedoman untuk perencanaan dan pendokumentasian perawatan pasien. EGC: Jakarta, p.761.

Drake, M. T., Clarke, B. L.,and Khosla, S. 2008. Bisphosphonates: Mechanism of Action and Role in Clinical Practice. *Mayo Clinic proceedings*, Vol. 83, No. 9, p. 1032-1045.

Farris, S., Song, J., & Huang, Q. 2010. Alternative Reaction Mechanism for the Cross-Linking ofGelatin with Glutaraldehyde. *Journal of Agricultur and Food Chemistry, 58,* pp. 998-1003.

Ficai W, *et al*. 2011. Collagen/Hydroxyapatite Composite Material In: *Advances in Composite Maerial for Medicine and Nanoechnology*. InTech Dr. Brahim Attaf (Ed). Politechnica University of Bucharest, Faculty of Applied Chemisry and Material Science, Romania, ISBN:978-953-307-235-7: p. 1-31.

Furman, B. L. 2016. Alendronate. Reference Module in Biomedical Sciences. Strathclyde Institute of Pharmacy and Biomedical Sciences, Glasgow, United Kingdom. p. 1-3.

Gorgieva, S., Kokol, V., Pignatello, R. 2011. Collagen Vs Gelatin-Based Biomaterials and Their Biocompability. *Biomaterials Apllications for Nanomedicine*, p: 17-52.

Hastuti, D., and Sumpe, I. 2007. Pengenalan dan Proses Pembuatan Gelatin. Mediagro, Vol. 3 No. 1, p. 39-48.

Hilig, W. B *et al*. 2008. An Open-Pored Gelatin /Hydroxyapatite Composite as a Potential Bone Substitute. *J Mater Sci*: Mater Med, Vol 19, p. 11-17.

Hsu., *et al.* 2017. Tension Wiring to Increase Stability of Conventional Plating for Proximal Humeral Fractures: An Alternative to A Locking Plate. *Tzu Chi Medical Journal 2017; 29(1) p.* 37-40.

Juutlainen, T., and Patiälä, H. 1997. *Comparison of cost in ankle fractures treated with absorbable or metalic fixation device. Arch Orthop Trauma Surgary*. p. 204-208.

Kandemir, U., *et al*. 2017. Implant Material, Type of Fixation at the Shaft and Position of Plate Modify Biomechanics of Distal Femur Plate Osteosynthesis, *Journal of Orthopaedic Trauma Publish Ahead of Print*, p. 1-18.

Kementerian Kesehatan RI. 2013. Riset Kesahatan Dasar 2013. Jakarta: Kemeskes Kesehatan RI.Pp, 11.

Kini, U., and Nadeesh, B. N. 2012. *Radionuclide and Hybrid Bone Imaging*. Berlin: Spinger.

Mue, D. D., Salihu, M. N., Awonusi, F. O., Yongu, W. T., Kortor, J. N., Elachi, I.C., 2013. Outcame of treatment of fracture neck of femur using hemiarthroolasty versus dynamic hip screw. *Journal of The West African College of Surgeons*. Vol 3, No 2.

O'Connel, M. B., and Seaton, T. L. 2005. Chapter 88 Osteoporosis and Osteomalacia, In: (DiPiro, J. T., Talbert, R. L., Yee, G. C., Matzke, G. R., Wells, B. G., and Posey, L. M). *Pharmacotherapy A Pathophysiologic Approach*. 6th ed. New York: McGraw-Hill Companies, Inc., p.1646.

O'Connell, M. B., and Vondracek, S. F. 2008. Chapter 93: Osteoporosis and Other Metabolic Bone Disease, In: (Dipiro, J. T., Talbert, R. L., Yee, G. c., Matzke, G. R., Wells, B. G., and Posey, L. M) Pharmacotherapy: *A Pathophysiology Approach*. 7th ed. New York: McGraw-Hill Companies, Inc., p. 1484-1485.

Ozer , T., Aktas., Celik, H. H., and Vatansever, A. 2017. Effects of Local Alendronate Administration on Bone Defect. p.781-795.

Putra, A.P., Rahmah, A.A., Fitriana, N., Rohim, S.A., Jannah, M., Hikmawati, D.

2018. The Effect of Glutaraldehyde on Hydroxyapatite-Gelatin Composite with Addition of Alendronate for Bone Filler Application. *Journal ofBiomimetics, Biomaterials and Biomedical Engineering*, 37, p. 107-116.

Price, S. A., and Wilson, L. M. 2006. Patofisiolgi Konsep Klinis Proses-Proses Penyakit, Edisi 6, p. 1271.

Rhoades, R. A., and Bell, D. R. 2013. Medical Physiology Principles for Clinical Medicine 4th Ed. p. 698-714.

Rouhi, G., and Amani, M. 2016. A Brief Introduction into Orthopaedic Implant *Screw, Plates and Nail.* p. 1-17.

Rokkanen, P. U., Böstman, O., Vihtonoen, K., Tormälä, P. 2000. *Biosorbable Fixation in Orthopaedic Surgery and Traumalogy*. Biomaterials, p. 2607-2613.

Sudoyo, A. W *et al*. 2009. Buku Ajar Ilmu Penyakit Dalam. Jakarta: Pusat Penerbitan Buku Ilmu Penyakit Dalam FKUI, p. 1106.

Saundrapandian, C., Sa, B., Datta, S. 2009. Organic-organic Composite for Bone Drug Delivery. AAPS. PharSciTech Vol 10 No.4, p. 1158-1171.

Solechan, and Raharjo, S. 2016. Analisa Karakterisasi Filamen Biodegrasasi Print 3D Untuk Implan Plate dan Sekrup Tulang Femur Dengan Metode *Screw Extrusion* Dari Materian PCL, Pla Pati Ketela dan *Hydroxyapatite Bovine*. Edisi 8 No 1 (April), p. 43-44.

Solomon, L., Warwick, D., Nagayam, S. 2010. System of Orthopaedics and Fractures. p. 85-96.

Sweetman, S. C. 2009. The 36th edition of Martindale*: The Complete Drug Reference.* London, England, UK: Pharmaceutical Press p. 1088-1089.

Tampiere, A., Celloti, G., Landi, E. 2003. Porous Phospate-Gelatine Composite as Bone Graft with Drug Delevery Function. Journal of Materials Science: Materials in Medicine, p. 623-627.

Sweetman, S. C. 2009. The 36th edition of Martindale*: The Complete Drug Reference.* London, England, UK: Pharmaceutical Press p. 1088-1089.

Swetha, M., Sahithi, K., Moorthi, A., Srinivasan, N., Ramasamy, K., & Selvamurugan, N. (2010). Biocomposites containing natural polymers and hydroxyapatite for bone tissue engineering. *Journal of Biological Macromolecules*, 48: 1-4.

Väänänen, P. 2009. Testing of Biodegradable Bone Fixation Implants. Doctoral Disertation, Departement of Physics University of Kuipio.

Warastuti, Y., and Abbas, B. 2011. "Sintesis dan karakterisasi pasta injectable bone substitute iradiasi berbasis hidroksiapatit". Jurnal Ilmu Aplikasi Isotop dan Radiasi, p. 73-82.

Whiteing, N. L . 2008. Fractures: Pathophysiology, treathment and nursing care. Nursing Standard, p. .49-57

Zhou, K and Chen, N. 2017. Locking *versus* Non-locking Neutralization Plates with Limited Excision and Internal Fixation for Treatment of Extra-articular Type a Distal Tibial Fractures. *The Open Orthopaedics Journal, 2017,* Volume 1, p.57-63.