

DAFTAR PUSTAKA

- Allen, L.V., 2009. *Handbook of Pharmaceutical Excipients, Sixth Edition*, Rowe R. C., Sheskey, P. J., Queen, M. E., (Editor), London, Pharmaceutical Press and American Pharmacists Assosiation, 278-279
- Askarzadeh, K., Orang F., and Moztarzadeh, F., 2004. Fabrication and Charaacterization of a Porous Composite Scaffold Based on Gelatin and Hydroxyapatite for Bone Tissue Engineering. *Iranian Polymer Journal*, Vol. 14, No. 6, p. 511-520.
- Bigi, A., Cojazzi, G., Panzavolta, S., Rubini, K., & Roveri, N. 2001. Mechanical and Thermal Properties of Gelatin Films at Different Degrees of Glutaraldehyde Crosslinking. *Journal of Biomaterial* 22, pp. 763-768.
- Budiatin, A.S. 2014. *Pengaruh Glutaraldehid Sebagai Cross-link Agent Gentamisin dengan Gelatin terhadap Peningkatan Efektivitas Bovine Hydroxyapatite-Gelatin Sebagai Sistem Penghantaran Obat dan Pengisi Tulang*. **Disertasi**, Sekolah Pascasarjana. Surabaya: Fakultas Farmasi, Universitas Airlangga p. 27, 42, 69-71.
- Chang J, Lin K. 2015. Structure and Properties of Hydroxyapatite for Biomedical Applications. *HAp for Biomedical Applications* p. 3-19
- Chaya, A., Yoshizawa, S., Verdelis, K., Noorani, K., Castelo, B.J., &Sfeir, C. 2015. Fracture Healing Using Degradable Magnesium Fixation Plates and Screws. *Journal of Oral and Maxillofacial Surgery* p. 1-16.
- Chao, S, C., Wang m, J., Pai, N, S., Yen, S, K., 2015. Preparation and Characterization of Gelatin-Hydroxyapatite Composite Microspheres for Hard Tissue Repair. *Materials Science Engineering* C. 57:113-122

- Dinarvand R, Mahmood S, Farbout E. 2005. Preparation of Gelatin Microspheres Containing Lactic Acid- Effect Cross-linking on Drug Release, *Acta Pharm* 55: 57-67
- Ferdiansyah, Gustiono D. 2010. *Regenerasi pada Massive Bone Defect dengan Bovine Hydroxyapatite sebagai Scaffold Stem sel Mesensimal.* Disertasi, Program Pascasarjana. Surabaya: Ilmu Kedokteran Universitas Airlangga p.52-67.
- 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 Chemistry and Material Science, Romania, ISBN:978-953-307-235-7: pp. 1-31.
- Gopalakrishnan, M., Naik, A., &Kamath, M. 2017. Interesting Case of Retrieval of IntrathoracicKirschner Wire.*Indian J ThoracCardiovascSurg*, 1-4.
- Gorgieva S., Kokol V. 2011. Collagen vs Gelatine-Based Biomaterials and Their Biocompatibility: Review and Perspective, *Biomaterials Applications for Nanomedicine*, Prof. Rosario Pignatello (Ed), ISBN:978-953-307-661-4 p.12-19.
- Habraken, W.J., Wolke, J.G., Mikos, A.G., and Jansen, J.A., 2008, Injectable PLGA Microsphere/Calcium Phosphate cements: Physical Properties and Degradation Characteristics, dalam Mourino, V. and Boccaccini, A.R., 2009. Bone Tissue Engineering Therapeutics: Controlloed Drug Delivery in Three-Dimensional Scalfolds. *Journal of the Royal Society Interface* (2010) 7, 207-209.
- Hilig, W.B., Choi, Y., and Murtha, S., 2008. An Open-Pored Gelatin/Hydroxyapatite Composite As a Potential Bone Substitute. *J. Mater Sci: Mater Med* 19:11-17.

- Hsu, K., Tai, T., Su., Lin, C., & Lee, P. 2017. Tension Wiring to Increase Stability of Conventional Plating for Proximal Humeral Fractures: An Alternative to a Locking Plate. *Tzu Chi Medical Journal*, 29(1) pp. 37-40
- Ivankovic H., Orlic, S., Kranzelic, D., Tkalcec, E. 2010. Highly Porous Hydroxyapatite Ceramics for Engineering Applications. *Advances in Science and Technology* Vol. 63 pp 408-413, Switzerland.
- Jindong, Z., Hai, T., Jiayang, W., Gang, L. 2014. Local Treatment of Osteoporosis With Alendronate – Loaded Calcium Phosphate Cement. *Chinese Medical Journal*, 127 p. 2-9
- Kalfas, Iain. H. 2001. *Principles Of Bone Healing*, Neurosurg Focus 10 (4) : Article 1, Cleveland Clinic Foundation, Ohio p. 32-40.
- Kandemir, U., Augat, P., Konowalczyk, S., &Wipf, F. 2017.Implant Material, Type of Fixation at the Shaft and Position of PlateModify Biomechanics of Distal Femur Plate Osteosynthesis. *Journal of Orthopaedic Trauma*, 1-26.
- Kementerian Kesehatan RI. 2013. Riset Kesehatan Dasar 2013. Jakarta: Kemenkes Kesehatan RI
- Kim, H. W., Knowles, J.C. dan Kim, H. E. 2004. Hdroxyapatite and Gelatin Composite Foams Processed via Novel Freeze-drying and Crosslink for use as Temporary Hard Tissue Scaffold *J. Biomed Matter Res* 72A: 136-145.
- Lu, C., Chang, M., & Lin, G. 2004. Intramedullary Pinning with Tension-Band Wiring for Surgical Neck Fractures of the Proximal Humerus in Elderly Patients.*Kaohsiung J Med Sci*, Vol 20(11), 538-544
- Narbat, K.M., Orang F., Hashthin, M.S., and Goudarzi, A., 2006, Fabrication of Porous Hydroxyapatite-Gelatin Composite Scaffold for Bone Tissue Engineering. *Iranian Biomed Journal* 10 (4) : 215-223.

- O'Connel, M. B., and Seaton, T.L., 2005. Osteoporosis and Osteomalacia, In: DiPiro, JT., 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, p. 1645-1666.
- O'Connel, 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 Pathophysiologic Approach*. 7th ed. New York: McGraw-Hill Companies, p. 1484-1485.
- Pinczewski, L.A., & Salmon, L.J. 2017. The Acrid Bioscrew in Anterior Cruciate Ligament Reconstruction of the Knee. *The Journal of Arthroscopic and Related Surgery*, Vol 33, No 12, 2195-2197.3
- Ratner, Buddy D., Hoffman, Allan S., Schoen, Frederick J., Lemons, Jack E. 2004. *Biomaterial Science, Second Edition*, Elsevier Scademic, Press, San Diego p.97-103.
- Sihombing, I., Wangko, S., & Kalangi, S. J. 2012. *Peran Estrogen dalam Remodelling Tulang*. Manado : Bagian Anatomi-Histologi Fakultas Kedokteran Universitas Sam Ratulangi p.87-88.
- Simbolon, Tiurma. 2009. *Pembuatan dan Karakterisasi Batako Ringan yang Terbuat dari Styrofoam-Semen*. Tesis. Medan : Universitas Sumatra Utara p.42-48.
- Syafrudin, H., 2011. *Analisis Mikrostruktur, Sifat Fisis dan Sifat Mekanik Keramik Jenis Refraktori*. Skripsi. Surabaya: Fakultas Sains dan Teknologi, Universitas Airlangga p.32.
- Stahel, P.F., Alfonso, N.A., Henderson, C., & Baldini, T.. 2017. Introducing The “Bone-Screw-Fastener” For Improved Screw Fixation In Orthopedic Surgery: A Revolutionary Paradigm Shift. *Patient Safety in Surgery*, 11, 6.

- Sweetman, S. C. 2009. The 36th edition of Martindale: *The Complete Drug Reference*. London, England, UK: Pharmaceutical Press p. 1088-1089.
- Van de Belt H, Neut D, Uges DRA, Schenk W, Van Horn JR, van der Mei HC, Busscher HJ. 2000. Surface Roughness, Porosity and Wettability of Gentamicin-Loaded Bone Cements and Their Antibiotic Release. *Biomaterials* 21:1981-9187.
- Van Noort R. 2009. *An Introduction to Dental Material*, 3rd Edn, Mosby, Edinburgh.
- Wedel, V. L., Galloway A. 2014. Broken Bones Anthropological Analysis of Blunt Force Trauma. *United States of America*: Charles C Thomas p. 59-68.
- Weiler, A., Hoffmann, R. F. G., Bail, H. J., Rehm, O., & Südkamp, N. P. 2002. Tendon Healing In A Bone Tunnel. Part II: Histologic Analysis After Biodegradable Interference Fit Fixation in a Model of Anterior Cruciate Ligament Reconstruction in Sheep. *Arthroscopy The Journal of Arthroscopic & Related Surgery*, Vol. 18 No. 2, pp. 124–135.
- Witte F., Hort N., Vogt C., 2008. Degredable Biomaterials Based on Magnesium Corrosion. *Current Opinion in Solid State and Materials Science*, 12(5-6).
- Zhao J.; Zhiyuan Z., Shaoyi W., Xiaojuan S., Xiuli Z., Chen J., Kaplan D., Jiang X., 2009, Apaptite-Coated Silk Fibroin Scaffolds to Healing Mandibular Border Defect in Canines, *Bone* 45, 517-527.
- Zhou, K., & Chen, N. 2017. Locking versus Non-locking Neutralization Plates with LimitedExcision and Internal Fixation for Treatment of Extra-articular Typea Distal Tibial Fractures. *The Open Orthopaedics Journal*, 11, 57-63