

DAFTAR PUSTAKA

- Alif, S, 2008, Pengaruh Iskemia Terhadap Peningkatan Kolagen Pada Korpus Kavernosum, *JURI. Vol.15. No.1. Januari : 11-14.*
- Allegrini S.Jr., Koenig B.Jr., dan Allegrini M.R., 2008. Alveolar Ridge Sockets Preservation With Bone Grafting-review, *Annales Academiae Medicaestetinensis*; 54(1): 70-8.
- Ana, I.D., 2014. *Modul Pengenalan Singkat Gama-CHA*, Your Bone Regeneration Scalfold, pdf. Hal:1-21.
- Ana, I.D., Dewi, H.A., Wolke, J., dan Janse, J., 2015, Behavior of POP- Calcium Carbonated hydrogel as Bone Substitute with Controlled Realease Capability: a. Study in rat, *J. Biomed Mater Res*, Part A 103A: 3273-3283.
- Ana, I.D., dan Erwanto, Y., 2013. Evaluation of Osteoconductive Capacity of Bio-inspired Carbonate Apatite Bone Subtitute in Goat Model. *International Symposium on Apatite and Correlative Biomaterials IV, 2013 in Nantes, France* 5 to 8 June, 2013.
- Ana, I.D., Matsuya, S., dan Ishikawa, K., 2010, Engineering of Carbonate Apatite Bone Substitute Based on Composition-Transformation of Gypsum and Calcium Hydroxide, *Engineering SciRes*, 2 : 344-352.
- Ana, I.D., Mudjosemedi, M., Sofro A.S.M., Leeuwenburgh S.C.G., Wolke, J.G.C., Ischikawa, K., dan Jensen, J.A., 2007. Development of Injectable Carbonate Apatite Bone Subtitute Base on Transformation of Gypsum and Calsium Hydroxide: Preliminary Studies on Factors Influencing Carbonate Apatite Synthesis. *Trent, Technology and Innovation in Comprehensive Oral Health Care*, hal, 147.
- Andries, P., Prihatiningsih, Dwirahardjo, B., 2013, Perbandingan Proses Penyembuhan Tulang pada Implantasi Hidroksiapatit Nanokristalin dengan Hidroksiapatit Mikrokristalin (Kajian Pada Tulang Tibia Kelinci), *J Ked Gi* , Vol 4(4):236-241
- Aslan M., Simsek., dan Dayi E., 2006, The effect of hyaluronic acid–supplemented in Bone Healing; Ekperimental Study in Rabbit, *Journal of Biomaterials Aplication*, vol. 20, 209-20.

- Baisse, E., Pitrowski, B., Piantoni, P., dan Brunel G., 2003, Action of hialuronic acid on the wound healing prosses following ekstraction, *Dental Information*, No:7.
- Balaji SM, 2013, *Textbook of Oral & Maxillofacial Surgery*, 2nd ed., Elsevier, India, 317-20
- Ballini A., Cantore S., Capodiferro S., dan Grassi, F.,R., 2009, Esterified Hyaluronic Acid and Autologous Bone in Surgical Corretion of the Infra bone Defect. *Int J. Med. Science*. Feb: 6(2): 65-71.
- Bang L. dan Long B., 2014, Carbonate Hydroxyapatite and Silicon-Substituted, Carbonate Hydroxyapatite: Synthesis, Mechanical Properties, and Solubility Evaluations, *The Scientific World Journal* ; 16(7): 1-7.
- Bareil, R.P., Gauvan, R., dan Berthod, F., 2010, Collagen-Based Biomaterials for Tissue Engineering Applications, *Materials*; 3(3) 1863-1887.
- Betsebroer, S.I., dan Kho, S.L., 2007, Developmental of agelatin Apatite Nanocomposite for bone Substituting Purposes, *Tesis*, Research Report “Blok 390”, Departement of Periodontologi and Biomaterilas, Dental Departement Radboud University Nijmegen Medical Centre, 3-9.
- Blumenthal N.C., Betts F., dan Posner A.S., 1975, Effect of Carbonate and Biological Macromolecules on Formation and Properties of Hydroxyapatite, *Calcif.Tiss.Re,Spriner-Verlag*; 18: 81-90.
- Brown J.A., 2004 The role of hialuronic acid in wound healing’s proliferative phase. *Jornal of Wound Care*, 13:, 48-51.
- Buckwalter, J.A, Einhorn, T. A, dan Simon, S.R, 1999, *Othopaedic Basic Science Biology and Biomechanic of the Musculoskeletal System*, 2nd ed, American Academy of Orthopedic Surgeons, hal. 372-382
- Burr, D.B., Allen, O., 2014, *Basic and apllied bone biology*, Elsevier, New York, p: 3– 5.
- Cacchioli, A., Spaggiari, B., Ravanetti, F., Martini, F., Borghetti, dan P., Gabbi, C., 2006, The Critical Size Bone Defect: Morphological Study Of Bone Healing, *Ann Fac Medic. Vet di Parma*, Vol XXVI, 97-110.
- Caceci, T., 2011, *Cartilago and Bone*, <http://education.vetmed.vt.edu/Curriculum/VM8054/Labs/Lab8/Lab8obs.htm>, diakses tanggal 20 april 2017.

- Canuto, R.A., Martinasso, G., Muzio G., dan Gallesio M, 2013, Hydroxyapatite Paste Ostim®, without Elevation of Full-Thickness Flaps, Improves Alveolar Healing Stimulating BMP- and VEGF-Mediated Signal Pathways: An Experimental Study in Humans. *Clin. Oral Impl. Res.* 24 (Suppl. A100), 42–48.
- Carpenter, J.W., 2005, Exotic Animal Formulary, 3th ed, Elsevier Inc, USA, P.411-444.
- Corrales, P.L., Esteves, L.M., dan Vick, J.E.R., 2014, Scaffold Design for Bone Regeneration, *J Nanosci Nanotechnol*, 14(1): 15-56.
- Cioban, C., 2013, Early Healing After Ridge Preservation with New Collagen Matriks in Dog Ektaction Sockets: Preliminary Observation, *Rom J Morphol Embryol*, 54(1): 125-130.
- Elraffa, A.M., 2004. Rabbit Production, 8th *World Rabbit Congres.*
- Fawcet, D.W., 2002, Buku Ajar Histologi (*A Textbook of Histology*) (terj.), EGC Jakarta, pp 102-105.
- Ferdiansyah, Rushadi, D., Rantam, F.A., dan Aulani'am, 2011 Regenerasi pada Massive Bone Deffect dengan Bovine Hydroxyapatite sebagai Scffold Mesenchymal Stem cell, *JBF*, Vol. 13(3): 179-196.
- Garrant PR., 2003, *Bone dalam Oral Cells and Tissues*, Quintessence Publishing Co, Illinois, 195-226.
- Gelse, K., Poßchl, E., dan Aigner, T., 2003, *Collagens - structure, function, and biosynthesis*, *Advanced Drug Delivery*, Elsevier B.V, 55: 1531– 1546,
- Gomis, A., Pawlak, M., Balazs, E., A., Schimdt, R, F., dan Belmonte, C., 2004, Effect of Different Molecular Weight Elastoviscous Hyaluronan Solution on Articular Nociceptive Afferent, *Arthritis & Rheumatism*, 50 (1): 314-26.
- Hollander, D.A., 2000, A New Approach To The Treatment In Recalcitrant Wounds; A Case Report Demonstrating The Use Hyaluronan Esters fleece, [http:// www.Medscape.com/ View Article/ 407557](http://www.Medscape.com/ViewArticle/407557), *Wound*, 12(5):111-117, diakses tanggal 20 april 2017
- Huang, L., Cheng, Y.Y., Koo, P.L., Lee K..M., QinL., Cheng, J.C., dan Kumta, S.M., 2003, The effect of hyaluronan on osteoblast proliferation and differentiation in rat calvarial-derived cell cultures. *J. Biomed MatersRes A.*, 666(4), 880-84.

- Hudyono, S., dan pramono, C., 2001., Penggunaan Radiation Sterilized Demineralized Human Bone Graft Powder dalam Bidang Bedah Mulut, *Dalam the 1 st Indonesian Tissue Bank Scientific Metting and Workshop on Biomaterial Aplication.*, Surabaya, hal. 49-56.
- Hunt, D.R., Jovanovic, S.A., Wikesjo, M.E., Wozney, J.M., dan Bernard, G.W., 2001, Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanved alveolar ridge defects in dogs. A pilot study. *J Periodontol*; 72: 651-658.
- Inkinen, 2003, *Connective tissue Formatin in Wound healing*, Helsinski University Central Hospital, Finland.
- Irrinakakis T., 2006, Rationale for Socket Preservation after Extraction of a Single-Rooted Tooth when Planning for Future Implant Placement, *JCDA*; 72 (10): 917-922.
- Jan, A., 2010, *Effect of Hiperbaric Oxygen on Healing of Bone, Bone Grafts and Bone Grafts substitutes in Calvarian Defects*, Academic Disertation, University of Tampere, Finland.
- Liu, J., dan Kerns, G.D., 2014, Mechanisms of Guided Bone Regeneration: A Review, *The Open Dentistry Journal*, vol 8, (1): 56-65.
- Jun, Yang Yin, 2002, *Histology of Bone*, Departement of Pathology, University Hospital, Upstate Medical University, Suny.pp. 203-208.
- Jebahi, S., 2012. Biologic Response to Carbonated Hydroxyapatite Associated with Orthopedic Device: Experimental Study in a Rabbit Model. *The Korean Journal of Pathology* 2012; 46: 48-54.
- Junquera L.C. dan Carneiro J., 1992, *Histologi Dasar*. Terjemahan Adji Darma. EGC. Jakarta, pp: 136-155,
- Kagel, E.M, dan Einhorn, T.A, Alterations of Fractures healing in The Diabetic Conditions, *Iowa Orthop. J.* 1996; 16, p. 147-152.
- Kalfas dan Iain H., 2001, principles of Bone healing, neurosurg. *Focus*, 10: 4.
- Kamitakahara, M., Nagamori, T., Yokoi, T., dan Ioku, K., 2015, Carbonate-Containing Hydroxyapatite Syntesized by the Hydrothermal Treatment of

Different Calcium Carbonate in a Phosphate-Containing Solution, *Journal of Asian Ceramic Societies*; 3: 287-291.

Komlev, V.S., Fadeeva, I.V., dan Gurin, A.N., Effect of the Concentration of Carbonate Groups in a Carbonate Hydroxyapatite Ceramic on Its In Vivo Behaviour; *Inorganic Materials*; 45(3): 329-334.

Kubilius M., Kubilius R., dan Gleiznys, 2012, The preservation of alveolar bone ridge during tooth extraction, *Stomatologica Baltic Dental and Maxillofacial Journal*; 14(1): 23-31

Kisiel, M., 2013. Bone Enhancement with BMP-2 for Safe Clinical Translation, *Polimer Chemistry*, Sweden: Acta Universitatis Upsalensis, p. 305-309.

Kovaleva, E.S., Shabanov, M.P., dan Putlyaev, V.I., 2009, Bioresorbable Carbonated Hydroxyapatite Powders for Bioactive Materials Preparation, *Central European Journal of Chemistry*; 7(2): 168-174.

Lam, J., Truong, N., F., dan Tatiana, S., 2013, Design of Cell-Matrix Interaction in Hyaluronic Acid Hydrogel Scaffolds, *J. Actbio*, 1: 1-10

Landi, E., Celloti, G., dan Logroscino, G., 2003, Carbonated hydroxyapatite as bone substitute, *J.of European Ceramic Society*, 23: 2391-2397.

Lukman, K, 1997, Penyembuhan Patah Tulang Ditinjau dari Sudut Ilmu Biologi Molekuler, *Buletin Ikabi Cabang Jawa Barat*; 4(1), hal. 29-46.

Matsura, A., Kubo, T., Doi, K, dan Hayashi, K., 2009, Bone Formation Ability of Carbonate Apatite-Collagen Scaffold with Different Carbonate Contents, *Dental Material Journal*; 28(2): 234-242.

Manso, J.E.F., Mourão, C.F.D.A.B., Pinheiro, F.A.L., Ferreira, M.L., Paulo César Silva, P.C., dan Schanaide, 2011, Molars extraction for bone graft study in rabbits, *Acta Cirúrgica Brasileira*, 26 (2): 66-69.

Matos, A.M., Araujo, F.P., and Paixao, F.B., 2008. Histomorphometric evaluation of bone healing in rabbit fibular osteotomy model without fixation, *Journal of Orthopaedic Surgery and Research*; 3:4.

Meredith, A., 2007, Rabbits Dentistry, *EJCAP*, 17(1): 55-62.

- Mizuno, M., Fujisawa, R., dan Kuboki, Y., 2000, Type I Collagen- Induced Osteoblastic Differentiation Bone Marrow Cell Mediated by Collagen-Alpha2 Beta 1 Integrin Interaction, *J. Cell Physiol*, Augt: 184 (2): 207-13.
- Moseley, R., 2002, Hyaluronan and Its Potensial Role in Periodontal Healing, *Dental Update J.*, Volume 29, No.3.
- Murata, Y., 2003, *Effect of hyaluronic Acid In Tooth Ektraksion Cavity of Rats*, Osaka Dental Unio, Hirakito, Japan.
- Nather, A., Ong H.J.C., dan Aziz, Z., 2005, *Bone Grafts and Bone Subtitutes*, National University of Singapore, Singapore, [www.worldscibooks.com/etextbook/ 5695/5695_chap01.pdf](http://www.worldscibooks.com/etextbook/5695/5695_chap01.pdf) diakses tanggal 20 April 2017.
- Necas, J., Bartosikova L., Brauner, P., Kolar, J., 2008, Hyaluronic Acid (Hyaluronan): a Review, *Veterinarni Medicina*, 53, 8: 397–411
- Oakes, D., Lee, C., dan Libermen, J., 2001, An Evaluation Of Osteoinductive Potensial of Human Demineralized Bone Matricies in an Athimic Rat Femoral Defect Model, *Orthpedic Research Society*.
- Peru, L., dan Dalculsi, G., 1994. SynCalsium Phosphates: Models for Biological Crystals, Clinical Material, *Elsevier Science Limited*, 15: 267-72
- Peterson J.L., 2003, *Oral and Maxillofacial Surgery*, 4th ed. The CV Mosby Company, St Louis, pp: 116-117.
- Pilloni, A., dan Bennard, G.W., 1992, Low Moleculer Weight Hialuronic Acid Osteogenesis invitro, *J Dent Res*, 71: 574.
- Philitsis, J.G., Lucas, D.R., dan Regarrchary, S.R., 2002, Bone Healing and Spinal Fusiaon, *Neourosurg Focus*, 13 (6): 1.
- Riggs, G.G., Arzi, B., Cissell, D.D., Hatcher, C. D., Kass,P.H., Zhen, A., dan Frank Verstraete, J.M., 2016, Clinical Apliacation of Cone-Beam Computed Tomography in Rabbit Head Normal: Part 1 Normal Dentition, *Frontiers In Venetary Science*, 3(93) : 1-12.
- Sandor, G.K.B., 2003, The Minimization Of Morbidity In Cranio-maxillofacial Osseous Reconstruction, *Academic Disertation*, University of Oulu, Findland.

- Sagliyan, A., Han, C., M., Karabulut, E., dan Ozkaraca, M., 2016, Research of The Effect Autologous Cancellous Bone Graft and Hyaluronic Acid on The Healing Of Bone Defect Experimentally Induced in Rabbits, *Turkish Journal of Veterinary and Animal Sciences*, (40): 374-381.
- Sasaki, T., dan Wanatabe, C., 1995, Stimulation of osteoinduction in bone wound healing by high-molecular hyaluronic acid, *Bone*, 16 (1), 9-15.
- Schropp L., Wenzel A., dan Kostopoulos L., 2003, Bone healing and soft tissue contour changes following single-tooth extraction: a Clinical and Radiographic 12 Month Prospective Study, *International journal of Periodontics and Restorative Dentistry*; 23: 313-323.
- Seeherman, H., dan Wozney, J., Li, R., 2002, Bone Morphogenic Protein Delivery System, *Spine*, Aug 15, 27; 16-23.
- Singh, b., A., dan Majundar, S., The Composite of Hydroxyapatite with Collagen as Bone Graft Material, *J. Adv Med Dent Scie Res*, 2(4):53-55.
- Sirois, M., 2005. Laboratory Animal Medicine: Principles and Procedures, Elsevier Mosby, USA, hal 167-194.
- Spence, G., 2008, Carbonate substituted hydroxyapatite: Resorption by osteoclast modifies the osteoblastic response, *Journal of Biomedical Materials Research*; 90A (1): 217-224.
- Stevenson, S., 1990, Bone grafting, Current Techniques in Small Animal Surgery, Bojrab J (ed), Philadelphia, Lea & Febiger, 836-844.
- Sukumar, S., dan Drizhal, I., 2008, Bone graft in periodontal therapy, *Acta Medica*; 51 (4): 203-207.
- Trenggono, B.S., 2006, Pengaruh Campuran Puder Ekstrak Tendon Planta Bovine dan Hidroksiapatit Terhadap Durasi Osteointegrasi Implan Krom Kobalt dan Densitas Tulang Periimplan, *Disertasi*, Universitas Gadjah Mada, Yogyakarta.
- Weidjen, V.D., 2009, Alveolar bone dimensional changes of post-extraction socket in humans: a systemic review, *J. Clin Periodontol*; 36: 1048-1058.
- Wolff, J., 1986. *The Law of Bone Remodeling*. Berlin Heidelberg: Springer (translation of the German 1892).

Zipfel, G.J., Guiot, B.H., dan Fessle, R.G., 2003, Bone Graft Physiology, *Neurosurg Focus* 14 (2):8.