

DAFTAR PUSTAKA

- Anusavice, K.J., 2003, *Phillips Sciences of Dental Materials*, 11th ed. WB. Saunders, USA.
- Aoki, K., Edamura, K., Koyama Y., Kikuchi, M., Tanaka, S., 2009, Critical Bone defect regeneration using unidirectional porous hydroxyapatite collagen device, *J. Bioceram.*, 22, h.753-756.
- Arnett, T., 2003, *Bone Structure and Bone Remodelling*, University College London.
- Basker, RM, dan Davenport, J.C., 2002, *Prosthetic Treatment of The Edentulous Patient*, 4th Ed. Blackwell, Munksgaard, 266-285.
- Berridge, M. V, Tan, A.S., Mc Koy, K.D., Wang R., 1999. Biochemical and cellular basis of cell proliferation assay that use tetrazolium salt. *J. Biochem.*, h. 4-20.
- Betsebroer, S.I., dan Kho, S.L., 2007, Development of a Gelatin-Apatite Nanocomposite for Bone-Substituting Purposes, *Tesis*, Research Report "Blok 390", Department of Periodontology and Biomaterials, Dental Department Radboud University Nijmegen Medical Centre, 3-9.
- Bohner M., 2000, Calcium Orthophosphates in Medicine: From Ceramics to Calcium phosphate Cements. *J. Injury* 31 Suppl 4: 37-47.
- Booth, P.W., Schendel, S.A., Hausamen, M.E., 2007, *Maxillofacial Surgery*. Vol.2, 2th Ed. Churchill Livingstone Elsevier, St. Louis, Hal. 62-67.
- Boucher, C.O. 2004, *Swenson's Complete Denture*, St. Louis, C.V. Mosby.
- Brown, E.M., King, G., dan Chen, J.M., 1997, Model of The Helical Portion of A Type I Collagen Microfibril, *JALCA*, 92:1-7.1997.
- Burdz dan Jorgensen, 1999, The Edentulous Patient, *Prosthodontic Principles and Management Strategies*, h.1, Mosby-Wolfe, St Louis.
- Carr, C.M., 2000, Anchored Adjustable Partial Dentures, *Dental J*, 40:219.

- Carranza F.A. dan Takei H.H., 2002, *Clinical Periodontology*, 10 ed. Saunders, Elsevier, St. Louis, Missouri.
- Chiapasco, M., 2004. Early Immediate Restoration and Loading of Implant in Completely Edentulous Patients, *J. Int. Oral Maxillofac Implants*; 19:76-91.
- Cliché, S., Amiot, J. Avezard, C. dan Gariépy, C., 2003, Extraction and Characterization of Collagen With Teloepitides from Chicken Skin Scrath, *Poultry Science* 82:503-9.
- Cochran, D.L., Nummikoski, P.V., Jones, A.A., Makins, S.R., Turek, T.J. Buser, D., 1997. Radiographic Analysis of Regenerated Bone Around Endosseous Implants in the Canine using Recombinant Human Bone Morphogenetic Protein, *J. Int. Oral Maxillofac. Implants*; 12.(6):139-149.
- Daniel, W., 1987, *Biostatistics: A Foundation for Analysis in the Health Sciences*, 4th ed., John Willey and Sons Inc., New York, 152-4.
- De Aquino R., De Rosa A., Lonze V., Tirino V., 2009 Human Mandible Bone Defect Repair by The Grafting of Dental Pulp Stem/Progenitor Cells and Collagen Sponge Biocomplexes, *J. Europ. Cells and Mat.* 18:75-83.
- De Leon Munar, 2006, Study of the Physical and Biological Properties of Three Dimensional Hydroxyapatite and α -Tricalcium Phosphopate Foam with Interconnected Pores, *Tesis*, Section of Biomaterial Engineering Division Oral Rehabilitation Graduate School of Dental Science, Kyushu University, Fukuoka, 1-4.
- Ducha N., 2001, Pengaruh Asam Borat Terhadap Pertumbuhan Kultur Kondrosit Embrio Ayam. *Tesis* Program Studi Biologi Program Pasca Sarjana UGM.
- Fawcett, D.W., 2002, *Bloom and Fawcett: a Text Book of Histology*, 13^{ed} Chapman and Hall, New York, 194-211.
- Feraz, M.T. Monteiro, F.J., Manuel, C.M., 2004, Hydroxyapatite Nanno particles: a Review of Preparation Methodologies, *J.App. Biomat. and Biomech.*, 2:74-80.
- Friedman, A., Strietzel, F.P., Marezki, B., Pitaru, S., Bernimoulin, J.P., 2002. Histological assessment of augmented jaw bone utilizing a new collagen barrier membrane compared to a standard barrier membrane to protect a granular bone substitute material, *J.Clin. Oral Implants Res.* Dec. 13(6):587.

- Ganeles, J., Wismeijer, D., 2004. Early and Immediately Restored and loaded Dental Implants for Single and partial Arch Applications. *J. Int. Oral Maxillofac. Implants*; 19:92-102.
- Gartner, L.P., dan Hiatt, J.L., 2007 . *ColorTexbook of Histology*, Ed. 2., h. 241, W.B. Saunders Co., Philadelphia.
- Grant A.A, 2001, *Complete Prosthodontics: Problems, Diagnosis and Management*. 10. Wolfe Publishing. London.
- Gonda, Y., Ioku, K., Shibata, Y., Okada, T., Kawachi, G., 2009, Stimulatory Effect of Hydrothermally Synthesized Biodegradable Hydroxyapatite Granules on Osteogenesis and direct Association With Osteoclasts, *J. Biomat.*, 30(26).
- Guyton AC.dan Hall, JE. 2006. *Text book of Medical Physiologi*, ed. 11, h. 61-3, Elsevier, Philadelphia.
- Hadi, S., 1995, *Metodelogi Research untuk Penulisan paper, Skripsi, Thesis, dan Disertasi*, jilid IV, ed. 1., cetakan ke 8, Andi Offset, Yogyakarta, 427, 441-442.
- Hanizar. 1994. Pengaruh Teh Dipha Terhadap Hispatologis Hepar dan Ginjal tikus. *Tesis Unair Surabaya*.
- Hasegawa, M., Doi, Y., dan Uchida, A., 2003, Cell-Mediated Bioresorption of Sintered Carbonate Apatite in Rabbits, *J. Bone Joint. Surg.*, 85 (1), 142-147.
- Ishikawa, K., dan Matsuya, S., 2003, *Bioceramics*, dalam Milne, I., Ritchie, R.O., dan Karihaloo, B., (editor): *Comprehensive Structural Integrity: Fracture of Materials from Nano to Macro*, Bioengineering, Elsevier, Amsterdam, 9: 173-174.
- Iskandar R, 2001, *Immediate Denture* Sebagai Terapi Perbaikan Estetika dan Fungsional untuk Gigi Anterior. Kumpulan Naskah Ilmiah Nasional I (*TIMNAS I*), 9-13.
- Ismardianta, E., Seobijanto, Sutrisno, 2003. Pengaruh Kuretase Terhadap Penyembuhan Luka Pasca Pencabutan Gigi Kajian Histologi pada Tikus Putih Galur Westar, *Dent. J.*, 8(2):75-80.

- Issasela, J.M., dan Matsuya, S., 2003. *Bioceramic*, dalam Milne, I., Ritchie, R.O., dan Karihaloo, B., (editor): *Comprehensive Structural Integrity: Fracture of Materials from Nano to Macro*, Bioengineering, Elsevier, Amsterdam, 9:173-174.
- Junqueira LC, Carneiro J, Kelley R. 2005. *Basic Histology* 9th ed., EGC Pub. Jakarta, 91-120.
- Kalfas, I.H., 2001, Principles of Bone Healing, *Neurosurg/ Focus*, 10 (4), 1-3.
- Katagiri, T., Takahashi, N. (2002), Regulatory mechanisms of osteoblast and osteoclast differentiation, *Oral Disease*, 8, h. 147-159.
- Katsuki, H., Furuta, S., Komarneni, S., 1999. Microwave Versus Conventional Hydrothermal Synthesis of Hidroxyapatite Crystal from Gypsum, *J.Am. Ceramics So.*, Vol.87, h. 2257-2259.
- Kikuchi, M, 2013, Bioceramic Research on Implant and Drug delivery System Hydroxyapatite/collagen bone-like nannocomposite, *J. Biol. Pharm. Bull.* 36 (11):1666-9.
- Kimm, H.W., Knowles, J.C., dan Kim, H.E., 2005, Hydroxyapatite and Gelatin Composite Foams Processed via Novel Freeze-drying and Crosslinking for Use as Temporary Hard Tissue Scaffolds, *J. Biomed. Mater. Res. A*, 72 (2):136-145.
- Klaassen, C.D., 2001. Casarett and Douli's Toxicology: *The Basic Science of Poisons* Ed6, Mc Graw Hill, New York.
- Kokubo, Tadashi, 2008, *Bioceramics and Their Clinical Application*, Boca Raton, USA, 133-156, 199-214.
- Kumar, V., Cotran, R.S., Robbins, S.L., 2003, *Robbins Basic Pathology*, 7 th ed., h. 61, W.B. Saunder Co., New York.
- Leeson C.R, Lesson T.S and Paparo A.A, 2000, *Buku ajar Histologi(Terj.)* Edisi 6, EGC, Jakarta, 138-143, 161-6.
- Le Geroz, R.Z., 2006, Review Paper: Biodegradation and Bioresorption of Calcium and Phospate Ceramics, *Clinical Materials* 14, Elsevier Science Publisher Ltd. England, h. 65-88.

- Lu, CF, 2000, Basic Toxicology Fundamentals, Target Organs and Risk Assessment, Terjemahan UI Press, h. 170-239.
- Matsura, A., Kubo, T., Doi, K., Hayashi, K., Morita, K Yokota, R, Hayashi, H, Hirata I, Okazaki, M., Akagawa, Y., 2009, Bone formation Ability of Carbonate Apatite Collagen scaffolds with different Carbonate Contents, *J. Dent. Mater.*, 28(2):234-242.
- Melfert R. M ., Langger, B., Fritz, M. E., 1992, Dental Implants, : A Review, *J. Periodontal*, 63 : 859-70.
- Melis M dan Mulder J, 2008, Development and Biological Testing of a Hydroxyapatite Gelatin Nanocomposite, *Tesis UMC St. Radboud Tandelkundhe Biomaterialen Nijmegen*, 4.
- Miao, D., and Scutt, A., 2007, Histochemical Localization of Alakaline Phospatase Activity in Decalcified Bone and Cartilage, *J. Histochem. and Cytochemis.*, 50 (3):33-4.
- Miller, E. L., And Grasso, J. E., 2001. 5th edition, *Removable Partial Prosthodontics*, Williams and Wilkins, Co., Baltimore.
- Miller, A. J., Karmas and Lui, M. F., 1998. Age Related Changes in Collagen of Bovine Corium: Sudies on Extractability Solubility and Molecular Size Distribution, *J. Food Sci.* 48:681-707.
- Miwada dan Simpen, 2003, Optimalisasi Potensi Ceker Ayam (Shank) hasil limbah RPA melalui Metode Ekstraksi Termodifikasi untuk Menghasilkan Gelatin, *Laporan Penelitian Universitas Udayana, Bali*.
- Mohamed, K. R. Mostafa, A., A., 2007, Preparation and Bioactivity Evaluation of hidroxyapatite Titania Chitosan Gelatin Polymeric Biocomposites, *Material Science and Engineering C*, 28:1087-1099.
- Nazruddin, 2008, *Peranan Ortodonsi pada Perawatan Kelainan Susunan Gigi Geligi yang tidak teratur*, Universitas Sumatera Utara, Medan.
- Ngatijan, 2006. *Metodologi Laboratorium dalam Toksikologi*. Bagian Farmakologi dan Toksikologi Fak. Kedokteran UGM. Yogyakarta. h. 6-44.
- Niles, A.I., Moravec, R.A. dan Riss, T.L., 2008, Update on in vitro cytotoxicity assay development, *Expert Opin. Drug Discov.*, 3:653-669.

- Nicholson, J. W., 2002. *The Chemistry of Medical and Dental Material*. R.S.C. Cambridge, h. 186-221.
- Pakurar, A. S. and Bigbee, J. W., 2004. *Digital Histology: An interactive CD Atlas with Review Text*, John Wiley & Sons, Inc., New Jersey.
- Pedlar, J. dan Frame J. W. 2001. *Oral and Maxillofacial Surgery*. An Obyective Text Book. Churchill Livingstone. Spain. 157.
- Peterson, L. J. Ellis E. Hupp J.R., Tucker M.R. 2003. *Contemporary Oral and Maxillofacial Surgery* . 4^{ed}. St Louis. Mosby. 305-42.
- Powers J. M. dan Sakaguchi R. L, 2006. *Craigs Restorative Dental Materials*. Ed 12. Mosby Elsevier. St. Louis. h. 146-147.
- Prokopiev, O., Sevostianov, I, 2006, Dependence of mechanical properties of sintered hydroxyapatite on the sintering temperature, *J. Mat. Science Engin.* , 431:218-227.
- Pujianto, E., Siswomihardjo, W., Ana, I.D., Tontowi, A. E., Wildan, M.W., 2006, Cytotoxicity of Hydroxyapatite Synthesized from Local Gypsum, *Proceeding BME days 2006 Multidisiplinary synergy: towards a better community healthcare*. ITB, Bandung, h. 92-96.
- Robins, S. L., Cohran, R. S., Kumar, V., 2004, *Pathologic Basis of Desease 7th* W.B. Saunders Co., Philladelphia, h. 53-96.
- Rodney, D., Phoenix, D.D.S, M.S, Jeffrey, D., Fleigel, D.M.D., 2008, Cast Modification for immediate denture : Traditional and Contemporary Consideration with an Introduction of Spatial Modeling, *J. Prosthet. Dent.*, 100:399-405.
- Rosteistiel, S.F., Land, M.F., Fujimoto, J., 2006, *Contemporary Fixed Prosthodontics*, 4 ed. H. h. 466-478, Elsevier, St. Louis.
- Schneider, R. K., Puellen, A., Kramman, R., Raupecks, K., Bomenan, J., .2010, *J. Biomat.*, vol 31 (2): 467-80.
- Sedyono, J. dan Tantowi, A. E., 2008. Proses Sintesis dan karakterisasi FTI Hidroksiapatit Dari Gypsum Alam Kulon progo. *Media Mesin*, Vol.9 No.1 januari, 6-12.

- Shayne C.G dan Christopher P. C. 1998. *Acute Toxicology Testing Testing*. Ed. 2 Academic Press. London. H. 244-255.
- Siregar, F., Hadiyono, B. S., 2000, Uji Sitotoksitas dengan MTT, *J. Ked. Gi. U I.*, Edisi khusus, 7:28-32.
- Song, J., Malathong, V and Bertozzi, C. R., 2005, Mineralization of Synthetic Polymer Scaffolds: A Bottom-Up Approach for the Development of Artificial Bone, *J.Am. Chem. Soc.*, 127: 3366-3372.
- Steiner, G. G., Francis, W., Burnell, R., Kallet, M. P., Steiner, D.M., and Machias, R., 2008. The healing Socket and Socket Regeneration. *Compedium of Continuing Education in Dentistry* 29:114-118, 120-124.
- Sukumar, S., and Drizhal, L, 2008, Bone Graft In Periodontal Therapy, *J. Acta Med.*, 51(4):203-207.
- Sutrisno, 1999. Uji Sitotoksitas Curcumin ada Kultur Sel Luteal Tikus. *Tesis* Program Pascasarjana UGM, Yogyakarta.
- Suzuki, Y., 2006, Fabrication of Low Crystalline Hydroxyapatite Block as a Bone Substitute Material from Gypsum Block Based on Phospat Treatment, *Tesis*, Section of Biometrials and Removable Prosthodontics, Division of Oral Rehabilitation, Graduate of Dental Science, Kyushu University, Fukuoka, 1-4.
- Sweetha, H. B., dan Shashikala, K., 2008, Comparative Evaluation of Radiopacity of Three Root Canal Sealers Using Conventional and Digital Technique An Invitro Study, *J. Dent. Res. Chin.*
- Tampieri, A., Bezzi, G., Chelotti, L, Landi, M. T., and La Toretta, 2003 ‘‘A novel sol-gel technique for Hydroxyapatite preparation’’, *J. Mat. Chem. Phys.* 78, 816-824.
- Tabata Y dan Ikada Y, 1998, Protein Release from Gelatin Matrices, *J. Adv. Drug Del. Rev.*, 31 : 287-301.
- Takahashi, Y., Yamamoto, M., dan Tabata, Y., 2005, Enhanced Osteoinduction by Controlled Release of Bone Morphogenetic Protein-2 from Biodegradable Sponge Composed of Gelatin and β -Tricalcium Phosphate, *J. Biomat.*, 26:4856-4865.

- Telser, A. G., Young, J. K., dan Baldwin, K. M., 2007, *Elsevier's Integrated Histology*, Mosby, Philadelphia, 140-141.
- The Human Society Of The United States, 2006, *Rat*, <http://www.hsus.org/animalresearch/speciesusedinresearch/rat.html>, 18/03/2009.
- Trenggono, 2007, Pengaruh Campuran Puder Ekstrak Tendon Planta Bovine dan Hidroksiapatit Terhadap Sitotoksisitas, Durasi Oseointegrasi Implant Krom Kobalt dan Densitas Jaringan Tulang Periimplan, *Disertasi* Program Pascasarjana UGM, Yogyakarta, hal. 104-116.
- Van Gaalen, S., Kruyt, M., Meijer, G., Nistry, A., Mikos, A., van Den Beucken, J., Janse, J., De groot, K., Cancedda, R., Olivo, C., Yazemski, M., dan Dhert, W., 2008, *Tissue Engineering of The Bone*, in Blitterswijk, C (editor) *Tissue Engineering* Elsevier San Diego, h. 560-565.
- Vidotto, A. P. M., Cunha, R. S., Zeferino, E. G., Rocha, D. G. P., De Martin, A. S., dan Da Silveira Bueno, C. E., 2011, Comparisson of MTA Fillapex Radiopacity with Five Root Canal Sealers, *J.RSBO*, 8(4): 404-409.
- Wahyuningtyas, E., 2013, Efektifitas Campuran Gelantin Cakar Ayam dan Hidroksiapatit Sebagai Bahan Substitusi Tulang Terhadap Sitotoksisitas Pada Kultur Sel Fibroblas, *Laporan Penelitian DAMAS*, FKG UGM, Yogyakarta.
- Wakae, H., Takeuchi, A., Udoh, K., Matsuya, S., Munar, M. L., LeGeros, R. Z., Nakashima, A., and Ishikawa, K., 2006, Fabrication of Macroporous Carbonate Apatite Foam by Hydrothermal Conversion of a-Tricalcium Phospate in Carbonate Solutions, *J. Biomed. Mat. Res.*, 957-963.
- Whaites, E., 2007, *Esential of Dentals Radiography and Radiology*, 4nd.Ed., h.63-75. Churchill, Livingstone, London.
- White, S. C., dan Pharoah, M. J., 2008, *Oral Radiology Principles and Interpretation*, Mosby, New York.
- Wiryokusuma, 2001, Aplikasi Klinis Biomaterial di Bidang Bedah Mulut, *The First Indonesia Tissue Bank Scientific Meeting and Workshop on Biomaterial Application*, RSUD Dr Soetomo, Surabaya, h. 43-48.
- Ylinen, Pekka, 2006, Application of Corraline Hidroxyapatite Composites For Hard Tissue Repair, *J. Europ. Cells Mat.*, Vol. 11: 43-56.

- Young, S., Wong, M., Tabata, Y., dan Mikos, A. G., 2005, Gelatin as a Delivery Vehicle for The Controlled Release of Bioactive Molecules, *J. Cont. Rel.*, 109:25-274.
- Zaman, C. T., Takeuchi, A., Matsuya, S., Nakagawa, dan Ishikawa, K., 2006, Fabrication of Carbonate Apatite Monolith from Calcite-Gypsum Composite as Bone Substitute, *J. Arch. Bioc. Res.*, 6:50.
- Zarb, G. A., Bolender, C. L., Eckert, S. E., Jacob, R. H., Fenton, A. H., Stern, R. M., 2004, *Prosthodontics Treatment to Edentulous patients: Complete Dentures and Implant Supported Prosthesis*, 12th ed., CV. Mosby Co. St. Louis.
- Zhengxian Z., Ke B., Higa T, 1999, Study on chronic toxicity test of EM-X in rats, The 5 Congress of World Institute for Ecology and Cancer, Asian Chapter, Okinawa, Japan, 55.
- Zoldoz dan Kent, 1999. *Healing of Endosseous Implants for Maxillofacial Reconstruction*. WB Saunders Co. Phil. London, Toronto, Montreal, Sydney.