

DAFTAR PUSTAKA

- Abuasi, H.A., McCabe, J.F., Carrick, T.E., Wassell, R.W., Displacement Rheometer: a Method of Measuring Working Time and Setting Time of Elastic Impression Materials, *Journal of Dentistry*, 21(6): 360-366.
- Alberktsson, T., dan Johansson, C., 2001, Osteoinduction, Osteoconduction, and Osseointegration, *European Spine Journal*, 10: 96-101.
- Algera, T.J., 2006, The Influence of Environmental Conditions on the Material Properties of Setting Glass Ionomer Cements, *Dent Mater*, 22: 852-856.
- Anonim, 2010, *Fracture Healing Process*,
http://www.bonestimulation.com/Physio_Pages/PS-howitworks.html,
02/09/2014.
- Astawan, T.W., 2002, *Jaringan Tulang*, Laboratorium Histologi Departemen Anatomi Fakultas Kedokteran Hewan Institut Pertanian Bogor, Bogor.
- Betz, R.R., 2002, Limitation of Autografts and Allografts: New Synthetic Solution, *Orthopedics*, 25: 561-570.
- Bohner, M., dan Schmid, H., 2003, New Hydraulic Cements Based on α -Tricalcium Phosphate- Calcium Sulfate Dihydrate Mixtures, *European Cells and Materials*, 5(1): 3-4.
- Bonfield, W., Hastings, G.W., Tanner, K.E., 1991, *Bioceramics*, University Press, Cambridge, 4: 57-70.
- Buddula, A., Bhat, M., Assad, D.A., Thomas, B., 2011, Prevalence and Distribution of Vertical Osseous Defects in Patients Being Treated for Chronic Periodontitis, *J. Annals and Essences of Dentistry*, 3.
- Carrodegua, R.G., dan De Aza, S., 2011, α -Tricalcium Phosphate Synthesis, Properties, and Biomedical Application, *Actabiomat*, 7: 3536-3546.
- Cashman, K.D., 2006, Milk Minerals (Including Trace Elements) and Bone Health, *International Dairy Journal*, 16: 1389-1398.
- Choi, D., dan Kumta, P.N., 2007, Mechano-chemical Synthesis and Characterization of Nanostructured β -TCP Powder, *Materials Science and Engineering*, 27: 377-381.

- Conz, M.B., Granjeiro, J.M., Soares, G.A., 2010, Hydroxyapatite Crystallinity does not Affect the Repair of Critical Size Bone Defects, *J. Appl Oral Sci.*, 337-342.
- Dahlan, K., dan Dewi, S.U., 2013, Pengaruh Sintering dan Penambahan Senyawa Karbonat pada Sintesis Senyawa Kalsium Fosfat, *Jurnal FMIPA Universitas Lampung*, 153-158.
- Estiasih, T., dan Ahmadi, 2009, *Teknologi Pengolahan Pangan*, Rajawali Press, Jakarta, 236-237.
- Federer, W., 1991, *Statistics and Society: Data Collection and Interpretation*, Marcel Dekker, New York, 20.
- Ferdiansyah, 2007, Use of Freeze-Dried Irradiated Bones in Orthopaedic Surgery. in : (Nather, A. dkk., eds), *Radiation in Tissue Banking Basic Science and Clinical Applications of Irradiated Tissue Alografts World Scientific*, Singapore, pp. 317-326.
- Ferdiansyah, Rushadi, D., Rantam, F.A., Aulani'am, 2011, Regenerasi pada *Massive Bone Defect* dengan *Bovine Hydroxyapatite* sebagai *Scaffold Mesenchymal Stem Cell*, *JBP*, 13(3): 179-195.
- Fernandes, E., Boltong, M.G., Ginebra, M.P., Bermúdez, O., Driessens, F.C.M., Planell, J.A., 1994, Common Ion Effect on Some Calcium Phosphate Cements, *Clinical Material*, 16: 99-103.
- Gaucheron, F., 2005, The Minerals of Milk, *Reprod. Nutr. Dev.*, 45: 473-483.
- Ginebra, M.P., Boltong, M.G., Fernandez, E., Planell, J.A., 1998, The Effect of Na_2PO_4 Addition on the Setting Reaction Kinetics of an α -TCP Cement, in Le Geros, R.Z., and LeGeros, J.P. (eds), *Bioceramic*, 11th ed, World Scientific Publishing, New York, 243-246.
- Grandi, G., 2011, Comparative histomorphometric analysis between α -TCP cement and β -TCP/HA granules in the bone repair of rat calvaria. *Mat. Res.* 14(1): 11-16.
- Greenwald, A.S., Boden, S.D., Goldberg, V.M., Khan, Y., Laurencin, C.T., Rosier, R.N., 2001, Bone Graft Subtitutes: Facts, Fictions, and Applications, *J Bone Joint Surg Am.*, 83: 98–103.
- Hannink, G., dan Arts, J.J.C., 2011, Bioresorbability, Porosity, and Mechanical Strength of Bone Substitutes: What is Optimal for Bone Regeneration?, *Int. J. Care Injured*, 42: 22–25.

- Hench, L.L., 1991, Bioceramics: From Concept to Clinic, *Journal of the American Ceramic Society*, 74: 1487.
- Hernawati, 2008, *Mineral dan Homeotasis*, FPMIPA Universitas Pendidikan Indonesia, Bandung, 1-16.
- Hernigou, P.H., Poignard, A., Beaujean, F., Rouard, H., 2005, Percutaneous Autologous Bone-Marrow and Concentration of Progenitor Cells, *J. Bone Joint Surg.*, 86(7): 1430–1437.
- Ishikawa, K., Takagi, S., Chow, L.C., Ishikawa, Y., 1995, Properties and Mechanisms of Fast-Setting Calcium Phosphate Cements, *Journal of Materials Science: Material in Medicine*, 6: 528-533.
- Ishikawa, K., 2010, Bone Substitute Fabrication Based on Dissolution-Precipitation Reactions, *Journal of Materials*, 2: 1138-1155.
- Ito, A., dan Onuma, K., 1998, Cluster Growth Model for Hydroxyapatite, *Chem Master*, 10: 3346-3351.
- Ito, A. dan Onuma, K., 2003, Growth of Hydroxyapatite Crystal, in *Crystal Growth Technology*, William Andrew Inc., New York, hal. 525-559.
- Khairoun, I., Boltong, M.G., Driessens, F.C.M., Planell, J.A., 1998, Limited Compliance of Some Apatitic Calcium Phosphate Bone Cements with Clinical Requirements, *Journal of Material Science: Material in Medicine*, 9: 667-671.
- Kim, S.Y., dan Jeon, S.H., 2012, Setting Properties, Mechanical Strength, and In Vivo Evaluation of Calcium Phosphate-based Bone Cements, *Elsevier Journal of Industrial and Engineering Chemistry*, 18: 128–136.
- Klokkevold, P.R., dan Jovanovic, S.A., 2002, Advanced Implant Surgery and Bone Grafting Techniques, In Newman, Takei, Carranza, (ed.): *Carranza's Clinical Periodontology*, 9th Edition, W.B. Saunders Co., Philadelphia, 907-908.
- Kokubo, T., 2008, *Bioceramics and their Clinical Application*, Woodhead Publishing Limited, Cambridge, 438-459.
- Kumar, P., Vinitha, B., Fathima, G., 2013, Bone Grafts in Dentistry, *J Pharm Bioallied Sci.*, 5: 125-127.

- Lange, T.A., Zerwekh, J.E., Peek, R.D., Mooney, V., Harrison, B.H., 1986, Granular tricalcium phosphate in large cancellous defects, *Annals of Clinical and Laboratory Science*, 16(6): 467-472.
- Manappallil, J.J., 2003, *Basic Dental Materials*, Jaypee, Missouri, 87-89.
- Minamide, A., Tamaki, T., Yoshida, M., Hashizume, H., Nakagawa, Y., 2001, The Use of Sintered Bone in Spinal Surgery, *Eur Spine J.*, 10(2): 185–188.
- Murugan, R., Liao, S.S., Ramakhrisna, S., Molnar, P., Huang, Z.M., Kotaki, M., Rao, K.P., Hickman, J.J., 2009, *Skeletal Regenerative Nanobiomaterials*, Trans Tech Publishers, Switzerland, 1-34.
- Mustofa, N.Y., 2005, Characterization, Thermal Stability, and Sintering of Hydroxyapatite Powders Prepared by Different Routes, *Materials Chemistry and Physics*, 94: 333–341.
- Nabil, M., 2005, Pemanfaatan Limbah Tulang Ikan Tuna (*Thunus sp.*) Sebagai Sumber Kalsium Dengan Metode Hidrolisis Protein, *Skripsi*, Fakultas Perikanan dan Ilmu Kelautan Institut Pertanian Bogor, Bogor, 7-11.
- Nandi, S.K., Roy, S., Mukherjee, P., Kundu, B., De, D.K., Basu, D., 2010, Orthopaedic Application of Bone Graft and Graft Substitutes: a Review, *Indian J Med Res*, 132: 15-30.
- Narayudha, M., dan Aylie, H., 2005, Waktu Ikut Adukan Beton dengan Pocket Penetrometer serta Korelasinya Terhadap Nilai Slump, *Media Komunikasi Teknik Sipil*, 13(3): 67-74.
- Nicholson, J.W., 2002, *The Chemistry of Medical and Dental Materials*, The Royal Society of Chemistry, Cambridge, 72-73.
- Oda, M., Takeuchi, A., Lin, X., Matsuya, S., Ishikawa, K., 2008, Effects of Liquid Phase on Basic Properties of α -Tricalcium Phosphate-Based Apatite Cement, *Dent Mat*, 27(5): 672-677.
- Ogawa, T., Tanaka, M., Matsuya, S., Aizawa, S., Koyano, K., 2011, Setting Characteristics of Five Autopolymerizing Resins Measured by an Oscillating Rheometer, *J Prosthet Dent.*, 85(2): 170-176.
- Orlovskii, V.P., Komlev, V.S., Barinov, S.M., 2002, Hydroxyapatite and Hydroxyapatite-Based Ceramics, *Journal of Inorganic Materials*, 38(10): 973-984.

- Papangkorn, K., 2008, *Metastable Equilibrium Solubility of Various Crystallinity Carbonated Apatites and Human Dental Enamel Under Acidic Conditions with and Without the Presence of Solution Fluoride*, ProQuest LLC, USA, 111-143.
- Ranjan, R., 2010, Fate of Hydroxyapatite Crystals Used As Bone Graft Substitute in Benign Lytic Lesions of Long Bones, *Journal of Orthopedic Surgery*, 18(2): 1.
- Sabri, M., 2011, Aktivitas Etanol Batang Sipatah-patah (*Cissus quadrangula Salisb*) Sebagai Antiosteoporosis pada Tikus (*Rattus norvegicus*), *Thesis*, Pascasarjana Institut Pertanian Bogor, Bogor, 49-54.
- Setyoprato, P., Siswanto, W., Ilham, H.S., 2003, Studi Eksperimental Pemurnian Garam NaCl dengan Cara Rekristalisasi, *Unitas*, 11(2): 17-28.
- Stanciu, A.G., Sandulescu, I., Savu, B., Stanciu, S.G., Paraskevopoulos, K.M., Chatzistavrou, X., Kontonasaki, E., Koidis, P., 2007, Investigation of the Hydroxyapatite Growth on Bioactive Glass Surface, *Journal of Biomedical and Pharmaceutical Engineering*, 1(1): 34-39.
- Standar Nasional Indonesia, 2011, *Susu Sapi Segar*, Badan Standarisasi Nasional, Jakarta, 1-5.
- Suarsana, N., Dharmawan, N.S., Gorda, W., Priosoeryanto, B.P., 2011, Tepung Tempe Kaya Isoflavon Meningkatkan Kadar Kalsium, Fosfor, dan Estrogen Plasma Tikus Betina Normal, *Jurnal Veteriner*, 12(3): 229-234.
- Sunil, P., dan Rastogi, 2008, Incorporation and Biodegradation of Hydroxyapatite Tricalcium Phosphate Implanted in Large Metaphyseal Defect-An Animal Study, *Indian Journal of Experimental Biology*, 46: 836-841.
- Takeda, R., dan Nakamura, T., Effects of High Magnesium Intake on Bone Mineral Status and Lipid Metabolism in Rats, *J Nutri Sci Vitam*, 54: 66-75.
- Tas, A.C., 2003, *Bioceramics: Materials and Applications IV*, The American Ceramic Society, Ohio, 147: 191-198
- Tsuji, R.K., Jorgetti, V., Bento, R.F., Vuono, R., 2008, Use of α -Tricalcium Phosphate Bone Cements in the Surgical Treatment Cavity, *Intl. Arch. Otorbinolaryngol*, 12(3): 397-405.
- Tylavsky, F.A., Spence, L.A., Harkness L., 2008, The Importance of Calcium, Potassium, and Acid-Base Homeostasis in Bone Health and Osteoporosis prevention, *J Nutri*, 138: 164-165.

Vaccaro, A.R., 2002, The Role of the Osteoinductive Scaffold in Synthetic Bone Graft, *Orthopaedics*, 25(5): 571-578.

Wang, J.C., Walsh, M.C., Kalfas, M.D., 2009, *Bone Grafts: New Developments*, <http://www.spineuniverse.com/exams-tests/bone-grafts-new-developments>, 09/09/2014.

Xu, H.H.K., Carey, L.E., Simon, C.G., Takagi, S., Chow, L.C., 2007, Premixed Calcium Phosphate Cements: Synthesis, Physical Properties, and Cell Cytotoxicity, *Dent Mater*, 23(4): 433-441.

Zamberlin, S., Antunac, N., Havranek, J., Samarzija, D., 2012, Mineral Elements in Milk and Dairy Products, *Mljekarstvo*, 62: 111-125.