

## DAFTAR PUSTAKA

- Abdel-Fattah, W. I., Reicha, T. M. dan Elkhooly, T. A., 2008, Nano-beta-Tricalcium Phosphates Synthesis and Biodegradation: Effect of Microwave and SO<sub>4</sub>(2-) Ions on beta-TCP Synthesis and Its Characterization, *Biomed. Mater.*, 3(3), 1748-6041.
- Aoki, H., 1991, *Science Medical Applications of Hydroxyapatite*, Takayama Press, Tokyo.
- Arosarena, O. A., Falk, A., Malmgren, L., Bookman, L., Allen, M. J., Schoonmaker, J., Tatum, S. dan Kellman, R., 2003, Defect Repair in the Rat Mandible with Bone Morphogenic Proteins and Marrow Cells, *Arch. Facial Plast. Surg.*, 5, 103-108.
- Becker, P., 1989, *Phosphates and Phosphoric Acid: Raw Materials Technology and Economics of the Wet Process*, 2<sup>nd</sup> Ed., Marcel Dekker, New York.
- Ben-Nissan, B. dan LeGeros, R., 2008, Biologic and Synthetic Apatites, *Encyclopedia of Biomaterials and Medical Engineering*, 2(1), 225 -235.
- Bredig, M. A., Franck, H. H. dan Fulnder, H., 1932, Beitrage zur Kenntnis der Kalk-phosphorsaeure-verbindungen, *Z. Elektrochem.*, 38, 158-164.
- Budavari, S., O'Neil, M. J., Smith, A., Heckelman, P. E. dan Kinneary, J. F., 1996, *The Merck Index: An Encyclopedia of Chemicals, Drugs and Biologicals*, 12<sup>th</sup> Ed., Chapman and Hall, London.
- Destainville, A., Rolo, A., Champion, E. dan Bernache-Assolant, D., 2003, Synthesis and Characterization of Beta Tricalcium Phosphate, *Key Eng. Mater.*, 240-242, 489-492.
- Dorozhkin, S. V., 2011, Calcium Orthophosphates: Occurrence, Properties, Biomineralization, Pathological Calcification and Biomimetic Applications, *Biomatter.*, 2, 53-70.
- Dorozhkin, S. V., 2013, Calcium Orthophosphates in Dentistry, *J. Mater. Sci. Mater. Med.*, 24, 1335-1363.
- Ganeles, J., Listgarten, M. A. dan Evian, C. I., 1986, Ultrastructure of Durapatite Periodontal Tissue Interface in Human Intrabony Defects, *J. Periodontol.*, 45, 133-139.

- Ghosh, R. dan Sarkar, R., 2016, Synthesis and Characterization of Sintered Beta-Tricalcium Phosphate: A Comparative Study on the Effect of Preparation Route, *Mater. Sci. Eng.*, 67, 345-352.
- Hamai, R., Toshima, T., Tafu, M., Masutami, T. dan Chohji, T., 2013, Effect of Anions of Morphology Control of Brushite Particles, *Key. Eng. Mater.*, 529-530, 55-60.
- Heughbaert, J. C., 1977, *Contribution à l'étude de l'évolution des Orthophosphates de Calcium Précipités Amorphes en Orthophosphates Apatitiques*, Institut National Polytechnique, Toulouse.
- Kannan, S., Lemos, A. F. dan Ferreira, J. M. F., 2006 Synthesis and Mechanical Performance of Biological-Like Hydroxyapatites, *Chem. Mater.*, 18(8), 2181-2186
- Kumar, P. N., Mishra, S. K., Kiran, R. U. dan Kannan, S., 2015, Preferential Occupancy of Strontium in the Hydroxyapatite Lattice in Biphasic Mixtures Formed from Non-Stoichiometric Calcium Apatites, *Dalton Trans.*, 44(17), 8284-8292.
- Kyeong-Rok, K., Zheng-Gang, P., Jae-Sung, K., In-A, C., Min-Ji, Y., Bok-Hee, K., Ji-Su, O., Jun-Sik, S., Chun-Sung, K., Do-Kyung, K., Sook-Young, L. dan Su-Gwan, K., 2017, Synthesis and Characterization of  $\beta$ -Tricalcium Phosphate Derived from *Haliotis* sp. Shells, *Implant Dent.*, 26(2), 378-387.
- LeGeros, R. Z., 1991, Calcium Phosphates in Oral Biology and Medicine, *Monogr Oral Sci.*, 15, 1-201.
- Liu, X. Y., Zhu, B., Zhou, W. J., Hu, S. Y., Chen, D. J. dan Griffy-Brown, C., 2011, CO<sub>2</sub> Emissions in Calcium Carbide Industry: An Analysis of China's Mitigation Potential, *Int. J. Greenh. Gas Con.*, 5, 1240-1249.
- Lu, J., Descamps, M., Dejou, J., Koubi, G., Hardouin, P., Lemaitre, J. dan Proust, J.P., 2002, The Biodegradation Mechanism of Calcium Phosphate Biomaterials in Bone, *J. Biomed. Mater. Res. B. Appl. Biomater.*, 63, 408-412.
- Makaratat, N. E., 2010, Effects of Calcium Carbide Residue-Fly Ash Binder on Mechanical Properties of Concrete, *J. Mater. Civil Eng.*, 22(11), 1164-1170.

- Makararat, N., Jaturapitakkul, C., Namarak, C. dan Sata, V., 2011, Effects of Binder and  $\text{CaCl}_2$  Contents on the Strength of Calcium Carbide Residue-Fly Ash Concrete, *Cem. Concr. Compos.*, 33, 436–443.
- Mar, W. W. dan Somsook, E., 2012, Methanolysis of Soybean Oil Over  $\text{KCl}/\text{CaO}$  Solid Base Catalyst for Biodiesel Production, *Science Asia*, 38, 90-94.
- Morejon, L., Delgado, J. A., Ribeiro, A. A., Oliveira, M. V., Mendizabal, E., Garcia, I., Alfonso, A., Poh, P., Griensven, M. V. dan Balmayor, E. R., 2019, Development, Characterization and In Vitro Biological Properties of Scaffolds Fabricated from Calcium Phosphate Nanoparticles, *Int. J. Mol. Sci.*, 20(7), 1790.
- Nor, M. A. A. M., Ridzuan, M. M. dan Ahmad, Z. A., 2009, Synthesis and Characterization of  $\beta$ -Tricalcium Phosphate Ceramic via Sol-Gel Method, *J. Nucl. Relat. Technol.*, 6, 199-205.
- Patnaik, P., 2002, *Handbook of Inorganic Chemicals*, McGraw Hill Co., New York.
- Pearson, R. G., 1963, Hard and Soft Acids and Bases, *J. Am. Chem. Soc.*, 85(22), 3533-3539.
- Perdana, N. S., Ashari, M. L. dan Bayuaji, R., 2018, Identifikasi Komposisi Limbah Karbit dan Pengaruh Penambahan Limbah Karbit terhadap Uji Waktu Ikat Semen (*Uji Setting Time*), *Conference Proceeding on Waste Treatment Technology*, 1(1), 7-12.
- Perry, R. H. dan Green, D. W., 1997, *Perry's Chemical Engineers' Handbook*, 7<sup>th</sup> Ed., McGraw-Hill Professional, New York.
- Ribeiro, H. B., Guedes, K. J., Pinheiro, M. V. B., Greulich-Weber, S. dan Krambrock, K., 2005, About the Blue and Green Colours in Natural Fluorapatite, *Phys. Status Solidi.*, 2, 720-723.
- Samtani, M., Dollimore, D. dan Alexander, K., 2001, Thermal Decomposition of Dolomite in an Atmosphere of Carbon Dioxide, *J. Therm. Anal. Calorim.*, 65, 93-101.
- Shu, C., Xianzhu, Y., Zhangyin, X., Guohua, X. dan Hong, L., 2007, Synthesis and Sintering of Nanocrystalline Hydroxyapatite Powders by Gelatin-based Precipitation Method, *Ceram. Int.*, 33, 193-196.

- Tamura, K., Sato, S., Kishida, M., Asano, S., Murai, M. dan Ito, K., 2007, The Use of Porous Beta Tricalcium Phosphate Blocks with Platelet-Rich Plasma as an Only Bone Graft Biomaterial, *J. Periodontol.*, 78, 315-321.
- Topsakal, A., Ekren, N., Kilic, O., Oktar, F.N., Mahirogullari, M., Ozkan, O., Sasmazel, H.T., Turk, M., Bogdan, L.M., Stan, G.E. dan Gunduz, O., 2020, Synthesis and Characterization of Antibacterial Drug Loaded  $\beta$ -tricalcium phosphate powders for bone engineering applications, *J. Mater. Sci.: Mater. Med.*, 31(16), 15-17.
- Wada, T., Hara, K. dan Ozawa, H., 1989, Ultrastructural and Histochemical Study of Beta Tricalcium Phosphate Resorbing Cells in Periodontium of Dogs, *J. Periodont. Res.*, 24, 391-401.
- Wanyou, Z., Yang, H., Lijuan, X., Yingjie, Z., Haicheng, G. dan Ting, Z., 2012, Preparation of Calcium Carbonate Superfine Powder by Calcium Carbide Residue, *Energy Procedia*, 17, 1635-1640.
- Wawro, D. dan Pighinelli, L., 2011, Chitosan Fibers Modified with HAp/Beta-TCP Nanoparticles, *Int. J. Mol. Sci.*, 12, 7286-7300.
- Won-Jung, U., Yong-Choi, S., Kyoung-Pang, E., Sung-Kim, C., Ho-Choi, S. dan Sung-Cho, K., 2006, The Effect of Varying the Particle Size of Beta Tricalcium Phosphate Carrier of Recombinant Human Bone Morphogenic Protein-2 on Bone Formation in Rat Calvarial Defects, *J. Periodontol*, 77, 765-772.