

**DAFTAR PUSTAKA**

- Arnett, T. 2003. *Bone Structure And Bone Remodelling*, volume :44, pp. 1–10.
- Aziz, M. 2010 .*Batu kapur dan peningkatan nilai tambah serta spesifikasi untuk industri. Jurnal Teknologi Mineral dan Batubara*, volume:3, pp. 116–131.
- Amr ELkarargy 2013, *Alveolar Sockets Preservation Using Hydroxyapatite / Beta Tricalcium Phosphate with Hyaluronic Acid (Histomorphometric Study)*. *Journal of American Science* volume 9. No.1 pp.55– 60.
- Bang, L. T., B. D. Long, and R. Othman 2014, Carbonate Hydroxyapatite and Silicon-Substituted Carbonate Hydroxyapatite: *Synthesis, Mechanical Properties, and Solubility Evaluations*.*The Scientific World Journal* 2014,pp.2
- Clarke, B. 2008 Normal bone anatomy and physiology., *Clinical journal of the American Society of Nephrology: CJASN*.pp12-18
- Caetano-Lopes, Joana, Helena Canhão, and João Eurico Fonseca. 2007, Osteoblasts and Bone Formation. *Acta Reumatológica Portuguesa journal* volume: 104, pp.103-110
- Dumitrescu, Alexandrina. 2011. Bone Grafts and Bone Graft Substitutes in Periodontal Therapy. *Chemicals in surgical periodontal therapy*. pp:73-144
- Ebrahimi, M. 2017 . Bone Grafting Substitutes in Dentistry: General Criteria for Proper Selection and Successful Application Bone Grafting Substitutes in Dentistry: General Criteria for Proper Selection and Successful Application Mehdi Ebrahimi , *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e- ISSN: 2279-0853, p-ISSN: 2279-0861.*, Volume 16. doi: 10.9790/0853-1604037579.pp75-79
- Emery, James. 2013. *Anatomy and Physiology*. OpenStax Rice University Texas. p:232
- Florencio-silva, R. R., Rodrigues, G., Sasso-cerri, E., Simões, M. J., Cerri, P. S., & Cells, B. 2015. Mechanobiology of bone tissue.pdf , *Biomed research international*, 2015, pp. 17-21
- Gasser, J. and Kneissel, M. 2017. *Bone Physiology and Pathology* ;Chapter 2. Basel, Switzerland. p.27-94

Gibon Emmanuel, Laura Y Lu, Karthik Nathan, and Stuart B Goodman.2017.

*Inflammation , ageing , and bone regeneration, Journal of Orthopaedic Translation.*

Elsevier Ltd, volume:10, pp. 28–35.

Habibie, Sudirman & Wargadipura, Agus & Riban, Dwi & Herdianto, Nendar & Riswoko, Asep & Nikmatin, Siti & Clarke, Stephen. 2017. Production and Characterization of Hydroxyapatite Bone Substitute Material Performed from Indonesian Limestone. *International journal of Biomedical Engineering and Science*, Volume: 4. pp.11-23.

Hendriyanto, Agus. 2018. *Pengaruh Temperatur Sinter Dan Waktu Pemanasn Bahan Batu Kapur Alam Provinsi Lampung Terhadap Sifat Fisik Dan Kekerasan Kualitas Produk Hidroksiapatit(HA)*. Program Pasca Sarjana Magister Teknik Universitas Lampung ,pp.10.

Jayakumar, P. and Di Silvio, L. 2010. Osteoblasts in bone tissue engineering', *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, volume :12, pp. 1415–1440.

Javad Parvizi, Gregory K. Kim.2010. High Yield Orthopaedics, W.B. Saunders, 2010. Chapter 160 : *Osteoblasts* ISBN 9781416002369, pp. 331-332 ,

Kini, U. and Nandeesh, B. N. 2012. Physiology of bone formation, remodeling, and metabolism', in *Radionuclide and Hybrid Bone Imaging*, pp.29-57

Kontinen, Y. 2014.*Bone grafting, Current Orthopaedics*.Volume:25.No: 4 doi: 10.1016/S0268- 0890(98)90026-3.pp.209-215

Kosachan, N. Jaroenworuluck, A. Jiemsiriler, S. Jinawath, S. Steven, R. 2015. Hydroxiapatite Nanoparticles Formd Under a Wet Mechanochemical, *Method. Society For Biomaterial*. DOI: 10.1002. Pp 1-48

Kugimiya, F., Kawaguchi, H. and Chung, U.-I. 2004.Human Osteoblast Differentiation and bone formation', *Clinical Calcium*, volume:14(1), pp. 173–179.

Kumar, P., Fathima, G. and Vinitha, B. 2013.Bone grafts in dentistry, *Journal of Pharmacy and Bioallied Sciences*, volume : 5(Department of Oral and Maxillofacial Surgery, Bhabha College of Dental Sciences, Bhopal, Madhya PradeshProsthodontics, Vydehi Institute of Dental Sciences and Research Centre, Bangalore, 2 Al Badar Rural Dental College and Hospital, Gulbarga, Karnatak). doi: 2013;5:125-7.pp124-128

Li, Ye, Shu Kui Chen, Long Li, Ling Qin, Xin Luan Wang, and Yu Xiao Lai. 2015. Bone Defect Animal Models for Testing Efficacy of Bone Substitute. *Biomaterials.Journal of Orthopaedic Translation*. volume;3 pp.95–104.

- Liu, Junli, Bing Zhang, Shujun Song, Ming Ma, Shaoyan Si, Yihu Wang, Bingxin Xu, Kai Feng, Jigong Wu, and Yanchuan Guo. 2014. Bovine Collagen Peptides Compounds Promote the Proliferation and Differentiation of MC3T3-E1 Pre-Osteoblasts. Volume :9 No :6. pp. 1–6.
- Markovic, M., Fowler, B. B. O. and Tung, M. S. (2004) ‘Preparation and Comprehensive Characterization of a Calcium Hydroxyapatite Reference Material’, *Journal Of Research Of The National Institute Of Standards And Technology*. doi: 10.6028/jres.109.042. Volume :109 pp .553-568
- Marsell, R. and Einhorn, T. A. 2011. The biology of fracture healing, *Injury*. Elsevier Ltd, volume:42, pp. 551–555
- Ngoc, N. 2012. Basic Knowledge of Bone Grafting, *journal Bone Grafting*, pp. 10–38. doi: 10.5772/30442.
- Noviyanti. Jasarudin. Sujiono, H.E. 2015. Karakterisasi Kalsium Karbonat (Ca (CO<sub>3</sub>)) Dari Batu Kapur Kelurahan Tellu Limpoe Kecamatan Suppa. *Jurnal Sains Dan Pendidikan Fisika Jilid 11 Nomor 2*. Pp 169-175
- Schicker, Matthias, Hermann Seitz, Inga Drosse, Sebastian Seitz, and Wolf Mutschler. 2006. *Biomaterials as Scaffold for Bone Tissue Engineering*. *European Journal of Trauma* volume:32, pp.114-124
- Vieira, Andreia Espindola, Carlos Eduardo Repeke, Samuel De Barros, Ferreira Junior, Priscila Maria Colavite, Claudia Cristina Biguetti, Rodrigo Cardoso Oliveira, Francisco Assis, Rumio Taga, Ana Paula, and Favaro Trombone. 2015. *Intramembranous Bone Healing Process Subsequent to Tooth Extraction in Mice: Histomorphometric and Molecular Characterization*, pp. 1–22.
- Wahyudi, Kristanto, Edwin Frank, Sofiyarningsih Naili. 2016. Sintesis dan Karateristik *Bone Ash* dari Bahan Alam. *Jurnal keramik dan gelas Indonesia*. Volume :25 No:2 pp.46-58
- Yusong, P., Dangsheng, X. and Xiaolin, C. 2007. Mechanical properties of nanohydroxyapatite reinforced poly(vinyl alcohol) gel composites as biomaterial’, *Journal of Materials Science*. doi: 10.1007/s10853-006-1264-4. pp 5129–5134
- Zhang, L., Hanagata, N., Maeda, M., Minowa, T., Ikoma, T., Fan, H., & Zhang, X. 2009. Porous hydroxyapatite and biphasic calcium phosphate ceramics promote ectopic osteoblast differentiation from mesenchymal stem cells. *Science and technology of advanced materials*. Volume 10 no :2. doi:10.1088/1468-6996/10/2/025003 P.1-9
- Zhurong Tang, Xiangfeng Li, Yanfei Tan, Hongsong Fan, Xingdong Zhang, The material

and biological characteristics of osteoinductive calcium phosphate ceramics, *Regenerative Biomaterials*, Volume 5, Issue 1, February 2018, Pp 43–59