

## DAFTAR PUSTAKA

- Abdullah, M., Virgus Y., Nirmin., Khairurrijal., 2008, Sintesis Nanomaterial FMIPA ITB, Bandung, *Journal Nanoscience T*, 1(2).
- Adzila, S., Sopyan I dan Hamdi.,2012, *Mechanochemical Synthesis of Hydroxiapatite Nanopowder: Effects of Rotation Speed and Milling Time on Powder Properties*, Trans Tech Publication, 110-116.
- Afrizal, G., 2016, Analisa Struktur Mikro Material Substitusi Hidroksiapatit Cangkang Kerang Darah dan Resin Akrilik Bahan Pembuat Gigi untuk Aplikasi Gigi Tiruan, *Surya Teknika*, Vol. 4: 1-9.
- Agrawal, K., Singh G., Puri D dan Prakash S., 2011, Synthesis and Characterization of Hydroxiapatite Powder by Sol-Gel Method for Biomedical Application, *Journal of Minerals Materials Characterization Engineering*, 10(8): 727-734.
- Agustinus, E. 2009. *Sintesis Hidrotermal Atapulgit Berbasis Batuan Gelas Vulkanik (Perlit) Perbedaan Perlakuan Statis dan Dinamis Pengaruhnya Terhadap Kuantitas dan Kualitas Kristal*. Puslit Geoteknologi Komplek LIPI, Bandung, p.15.
- Ajri, Putri., Martha Mozartha., Trisnawaty K., 2016, Pengaruh Penambahan Hidroksiapatit dari Cangkang Telur Ayam terhadap Kekerasan Permukaan GIC, *Jurnal Material Kedokteran Gigi*, Universitas Sriwijaya, 2(5): 8-14.
- Anusavice, K. J., 2013, *Philps: Buku ajar ilmu kedokteran gigi*, EGC, Jakarta, p.194-207.
- Awang, Hazmi A.B.Z., Zuki MM., Nurdin A., Jalila, Norimah Y., 2005. Mineral Composition of the Cokle (*Anadara granosa*) Shells of West Coast of Peninsular Malaysia and It's Potential as Biomaterial for Use in Bone Repair. *Journal Animal and Veterinary Advances* 6(5): 591-594.
- Bingol, O. R., dan C. Durucan. 2012. Hydrothermal Synthesis of Hydroxyapatite from Calcium Sulfate Hemihydrate. *Am. Journal Biomed. Sci.* 4(1). 50-59.
- Bernard, G.N., Smith., Leslie C Howe., 2007, *Planning and Making Crowns and Bridges*. 4th Ed. UK : Informa Healthcare, p.130,145,149-155.
- Bural, C dkk., 2010, Effect of Leaching Residual Methyl Methacrylate Concentrations On In Vitro Cytotoxicity of Heat Polymerized Denture Base Acrylic Resin Processed with Different Polymerization Cycles. *Journal Applied Oral Science*, 306-312.

- Callister, William D., 2007, *Material Science and Engineering An Introduction*, John Wiley and Sons, Inc., New York.
- Cleveland, C.M., Allen Angela D., Henson N., 2012, *Fabrication of Provisional Crown and Bridges*, Continuing Education Course, p.4-10.
- Cullity, BD., 2000, *Element of X-ray Diffraction*, Addison-Wesley, Publishing Company.
- Dahlan K, Prasetyanti F, Sari YW. 2009. Sintesis Hidroksiapatit dari Cangkang Telur Menggunakan Dry Metode. *Journal Biofisika* 5(2):71-78.
- Darvell BW, 2000, *Mechanical testing. In: Materials Science for Dentistry. 6th ed*, Hong Kong : University of Hong Kong, p.1-18.34.
- Dong, L., Zhu Y., Qiu dan J. Zhao., 2010, Removal of Lead from Aqueous Solution by Hydroxyapatite/ Magnetite Composite Adsorbent, *Chemical Enginer Journal*, Vol. 165, No. 3, pp. 827-834.
- Earl, J.S., Wood D.J., Milne., 2006, Hydrothermal Synthesis of Hydroxiapatite, Institute for Materials Research, University of Leeds, *Journal of Physics Conference*, UK, (26): 268-271.
- Fernandez, R.B., 2011, *Sintesis Nanopartikel*, Padang, Universitas Andalas, p.22.
- Fultz, B dan James M. H., 2008, *Transmission Electron Microscopy and Diffractometry of Material*, Springer, Germany, 19.
- Gherald, M., Yelmida A., Evelyn., 2019, Pengaruh pH Terhadap Bentuk Partikel Hidroksiapatit dari Precipitated Calcium Carbonat (PCC) Kulit Telur Itik Melalui Metode Peresipitasi, *JOM FTEKNIK*, Vol.6 (1), p.3.
- Hamonangan, Y., 2013, Aplikasi White Carbon Black Sebagai Filler Nanokomposit untuk Pasak Gigi, *Skripsi*, Program Studi Teknik Fisika, Institut Teknologi Bandung, p.4.
- Hien, V. D., D. Q. Huong, dan P. T. N. Bich. 2010. Study of the Formation of Porous Hydroxyapatite Ceramics from Corals via Hydrothermal Process. *Journal of Chemistry*, 48 (5). P. 591 – 596.
- Hong, G., Murata H., Li Y., Sadamori S., Hamada T., 2009, Influence of Denture Cleansers on The Color Stability of Three Types of Denture Base Acrylic Resin, *Journal Prosthetic Dentistry*, 101(3), 205:13.

- Hui, P., Meena G., Singh., Agarawal.,S. Prakash, 2010, Synthesis of Hydroxyapatite BioCeramic Powder by Hydrothermal Method. *Journal of Minerals & Materials Characterization & Engineering*, 9(8), pp.683- 692.
- Ismail, I. J., Diya B. M., Ebrahim F. J., 2018, Addition of Nanohybrids Particles and Fiber to Heat Cured PMMA Denture Base Materials. *IJMRHS*, 7:20-9.
- John, M.P., dan John C.W., 2008, *Dental Materials Properties and Manipulation*, St.Louis:MOSBY An Imprint of Elsevier.
- Lugo, Rodriguez et al., 2018, Wet Chemical Synthesis of Nanocrystalline Hydroxyapatite Flakes: Effect of pH and Sintering Temperature on Structural and Morphological Properties, *Royal Society Open Science*. 5: 180962
- Kang, S. J., 2005, *Sintering: Densification, Grain Growth and Microstructure*, John Wiley and Sons, Amsterdam, 68.
- Kundu, B *et al.*, 2013, *Doxorubicin-intercalated Nano-hydroxyapatite Drug-delivery System for Liver Cancer: an Animal Model*, *Ceram International*, Vol. 39, No.8, pp. 9557-9566.
- Kutvonen, Aki *et al.*, 2012, Influence of Nanoparticle Size, Loadig and Shape on the Mechanical Properties of Polymer Nanocomposites, *The Journal of Chemical Physics*, p.5.
- Krisna., Nirwana I., Yuliati A., 2009, Perendaman dalam Air Selama 8 Hari Menghasilkan Pelepasan Monomer Sisa Minimal dari Bahan Denture Base Jenis Cold Cured. *Material Dental Journal*, 1(2):15-18.
- Khondker A, Lakhani S., 2015, X-Ray Diffraction A Comprehensive Explanation for Multipurpose Research *International Journal of Interdisciplinary Research and Innovation*, Vol. 3, Issue 1, p: 60-64.
- Lee, YJ *et al.*, 2009. Arsenate Substitution in Hydroxylapatite: Structural Characterization of the  $\text{Ca}_5(\text{PxAs}_{1-x}\text{O}_4)_3\text{OH}$  Solid Solution. *American Mineralogist* 94(5-6).
- Manafi AM, Joughehdoust S. 2009. Synthesis of Hydroxyapatite Nanostructure by Hydrothermal Condition for Biomedical Application. *Iranian Journal Pharmaceutchal Science* 5(2):89-94.
- Manappalill, John., 2010, *Basic Dental Materials*, Jaypee Brothers Medical Publishers.p.87-381.

- McCabe, JF dan Walls A., 2008, *Applied Dental Materials*. 9th ed. Singapore: Blackwell Publishing, (1) p.72-224.
- Mollazadeh, S., Javadpour J., Khavandi A., 2007, *In Situ Synthesis and Characterization of Nano-size Hydroxiapatite in Poly (vinyl alcohol) Matrix*, 33: 1579-1583.
- Muhara, Ikhbal., Akhmad Fadli., Fajril Akbar., 2015, Sintesis Hidroksiapatit dari Kulit Kerang Darah dengan Metode Hidrotermal Suhu Rendah, *Jom FTEKNIK*, 2(1), p.7.
- Muri, A Yusuf., 2014, *Metode Penelitian Kuantitatif, Kualitatif dan Penelitian Gabungan*, Jakarta, Kencana.
- Nurjanah, Zulhamzah, Kustiyariyah., 2005, Kandungan Mineral dan Proksimat Kerang Darah (*Anadara granosa*) yang diambil dari Kabupaten Boalemo, Gorontalo. *Bulletin Teknologi Hasil Perikanan*, VIII (2).
- Ozkan, 2012, *Attachment and their use in Removable Partial Denture*, University of Michigan, p.24.
- Palanivelu, R., A. M. Saral dan A. R. Kumar., 2014, *Nanocrystalline Hydroxyapatite Prepared Under Various pH Conditions*, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 1-15.
- Ramay, H. R. dan Zhang M., 2003, *Preparation of Porous HA Scaffolds by Combination of the Gel-Casting and Polymeric Sponge Method*, *Biomaterials*, 24: 3293-3302.
- Riyani E, Maddu A, Soejoko DJ. 2005. Karakterisasi Senyawa Kalsium Fosfat Karbonat Hasil Pengaruh Penambahan ion F<sup>-</sup> dan Mg<sup>2+</sup>. *Jurnal Biofisika* 1:82-89.
- Romimohtarto, K. dan Juwana S., 2001, *Biologi Laut Ilmu Pengetahuan Tentang Biota Laut*, Jakarta, Djambatan, 10.
- Salih, S.I., Oleiwi., Hamad., 2015, Investigation of Fatigue and Compression Strength for the PMMA Reinforced by Different System for Denture Application, *International Journal Biomed. Material. Res*, 3(1): 5-13.
- Salman, A. D., Jani G. H., Fatalla A. A., 2017, Comparative Study of the Effect of Incorporating SiO<sub>2</sub> Nanoparticles on Properties of Polymethyl Methacrylate Denture Bases, *Biomed Pharmacol Journal*, 10:1525-35.
- Salim S., 2010, Various Curing Methods on Transverse Strength of Acrylic Resin. *Dental Journal* (Maj Ked Gigi), 43(1): 40-3.

- Sasikumar S, Vijayaraghavan R. 2006. Low Temperature Syntesis of Nanocrystalline Hydroksiapatite from Egg Shells by Combustion Method. *Trens Biomater. Artif.Organs*19 (2):70-73.
- Shillingburg, H.T., Hobo., Whitsett., Bracklett., 2012, *Fundamentals of Fixed Prosthodontics, ed 3*, Quintessence, Chicago, p.226.
- Smith, 2007, *Fixed and removable prosthodontics 4nd ed.*, London, Livingstone, p. 75.
- Sopyan, I dan Kaur J., 2012, *Preparation and Characterization of Porous Hydroxyapatite Through Polymeric Sponge Method*, *Ceram. Inter*, 35: 3161-3168.
- Sriprapha, Phanrawee *et al.*, 2011, Preparation of Hydroxyapatite Nanoparticles with Various Shapes, *Journal of the Microscopy Society of Thailand*, 4 (2), 120-122.
- Steel, R.D., Torrie, S.H, 1997, *Prinsip dan Prosedur Statistika Suatu Pendekatan Biometrik*, Edisi kedua, PT. Gramedia, Jakarta.
- Suchanek, W., *et al.*, 2000, Processing and Properties of Hydroxyapatite-Based Biomaterials of Use as Hard Tissue Replacement Implants, *Journal of Materials Research*, 13: 94-117.
- Sundari, Iin., Pocut Aya Sofya<sup>1</sup>., Millati Hanifa., 2016, Studi Kekuatan Fleksural antara Resin Akrilik Heat Cured dan Termoplastik Nilon Setelah Direndam dalam Minuman Kopi Uleekareng (*Coffea robusta*), *Journal Of Syiah Kuala Dentistry Society*.
- Syahdrajat, T., 2017, *Panduan Penelitian untuk Skripsi Kedokteran & Kesehatan*, Media Percetakan Diandra, FK UI Jakarta.
- Vladimir, K., Anna V. Grigorova., Olga O. Sedyh., Yuri V. Malyukin., 2012, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, Elsevier, pp.177
- Wahyuni, M. S., Hastuti, E., 2010, Karakterisasi Cangkang Kerang Menggunakan XRD dan X Ray Physics Basic Unit, *Journal Neutrino*, 3(1): 32-43.
- Winarno, F. G., 2010, *Nanoteknologi Bagi Industri Pangan dan Kemasan, Ed 1*, M-Brio Pr, Bogor.
- Young, B. C., 2010, A Comparison of Polymeric Denture Base Materials, *Thesis*, University of Glasglow Dental School, London, 9-40.
- Zena, Joma H. A., 2013, Evaluation the Effect of Incorporated Hydroxyapatite Prepared from Dried Egg Shell on Some Properties of Relined Denture Base, *International Journal of Sciences: Basic and Applied Research*, Vol. 5, pp. 65.

Zhao *et al.*, 2012, Cytotoxicity of Hydroxyapatite Nanoparticles is Shape and Cell Sependent. *Journal of Bomaterials*, 19 (12): 1-16.

Zulianingsih, N., 2012, *Analisa Pengaruh Jumlah Lapisan Tipis BZT yang ditumbuhkan dengan Metode Sol Gel terhadap Ketebalan dan Sifat Listrik (Kurva Histerisis)*, Skripsi, Surakarta, Universitas Sebelas Maret, p.14.

