

DAFTAR PUSTAKA

1. Qadafi, M. Trihalomethane And Haloacetic Acid Formation Potential Of Tropical Peat Water: Effect Of Tidal And Seasonal Variations. *Int J GEOMATE*. **2020**, 18(66), 111-117.
2. Kuokkanen, V.; Kuokkanen, T.; Rämö, J.; Lassi, U. Electrocoagulation treatment of peat bog drainage water containing humic substances. *Water Res*. **2015**, 79, 79-87.
3. Notodarmojo, S.; Mahmud; Larasati, A. Adsorption Of Natural Organic Matter (Nom) In Peat Water By Local Indonesia Tropical Clay Soils. *Int J GEOMATE*. **2017**, 13(38), 111-119.
4. Ritson, J.P.; Bell, M.; Graham, N.J.D.; et al. Simulated climate change impact on summer dissolved organic carbon release from peat and surface vegetation: implications for drinking water treatment. *Water Res*. **2014**, 67, 66-76.
5. Pan, S.; An, W.; Li, H.; Su, M.; Zhang, J.; Yang, M. Cancer risk assessment on trihalomethanes and haloacetic acids in drinking water of China using disability-adjusted life years. *J Hazard Mater*. **2014**, 280, 288-294.
6. Ghernaout, D. The hydrophilic/hydrophobic ratio vs. dissolved organics removal by coagulation – A review. *J King Saud Univ*. **2014**, 26(3), 169-180.
7. Anastasiou, A.D.; Nerantzaki, M.; Brown, A.P.; Jha, A.; Bikaris, D.N. Drug loading capacity of microporous β -pyrophosphate crystals. *Mater Des*. **2019**, 168, 107661.
8. Singh, S.; Bhardwaj, P.; Singh, V.; Aggarwal, S.; Mandal, U.K. Synthesis of nanocrystalline calcium phosphate in microemulsion-effect of nature of surfactants. *J Colloid Interface Sci*. **2008**, 319(1), 322-329.
9. Massit, A.; Yacoubi, A.E.I.; Rezzouk, A.; Chafik, B.; Idrissi, E. Preparation of Tricalcium phosphate: effect of precursor addition rate on the microstructural properties. *Int J Adv Sci Tech Res*. **2015**, 4(5), 617-625.
10. Lee, K.S.; Han, H.S.; Kim, Y.C.; et al. Evaluation of porous β -calcium pyrophosphate as bioresorbable bone graft substitute material. *Mater Res Innov*. **2015**, 19(2), 86-90.
11. Naga, S.M.; Awaad, M.; El-Maghraby, H.F.; El-Kady, A.M. Biological Performance of Calcium Pyrophosphate-coated Porous Alumina Scaffolds. *Int J Appl Ceram Technol*. **2014**, 11(1), 1-11.
12. Bose, S.; Tarafder, S. Calcium phosphate ceramic systems in growth factor and drug delivery for bone tissue engineering: a review. *Acta Biomater*. **2012**, 8(4), 1401-1421.
13. Chrysafi, I.; Kontonasaki, E.; Anastasiou, A.D.; et al. Mechanical and thermal properties of PMMA resin composites for interim fixed prostheses reinforced with calcium β -pyrophosphate. *J Mech Behav Biomed Mater*. **2020**, 112, 104094.

14. Chen, L.; Suh, B.I.; Yang, J. *Antibacterial Dental Restorative Materials: A Review*. **2018**.
15. Matsumoto, M.; Fukunaga, T.; Onoe, K. Polymorph control of calcium carbonate by reactive crystallization using microbubble technique. *Chem Eng Res Des*. **2010**, 88(12), 1624-1630.
16. Novesar, J.; Yulfitrin; Arief, S. *Pembuatan Precipitated Calcium Carbonate (Pcc) Dari Batu Kapur Dengan Metoda Kaustik Soda*. Vol 1, **2007**.
17. Sudhakar, K.; Suresh, S.; Premalatha, M. An Overview Of Co₂ Mitigation Using Algae Cultivation Technology. *Int J Chem Res*. **2011**, 3(3), 110-117.
18. Cocozza, C.; D'orazio, V.; Miano T.M.; Shotyk, W. *Characterization of Solid and Aqueous Phases of a Peat Bog Profile Using Molecular Fluorescence Spectroscopy, ESR and FT-IR, and Comparison with Physical Properties*. **2003**.
19. Yeloff, D.; Mauquoy, D. The influence of vegetation composition on peat humification: implications for palaeoclimatic studies. *Boreas*. **2006**, 35(4), 662-673.
20. Suhendra, D.S.; Marsaulina, I.; Santi, D.N. Analisis Kualitas Air Gambut Dan Keluhan Kesehatan Pada Masyarakat Di Dusun Pulo Gombut Desa Suka Rame Baru Kecamatan Kuala Hulu Kabupaten Labuhan Batu Utara Tahun 2012 Dipo. **2012**, (1), 1-10.
21. Darmayanto. Penggunaan Serbuk Tulang Ayam Sebagai Penurunan Intensitas Warna Air Gambut. **2009**, 38, 58.
22. Sabu, U.; Logesh, G.; Rashad, M.; Joy, A.; Balasubramanian, M. Microwave assisted synthesis of biomorphic hydroxyapatite. *Ceram Int*. **2019**, 45(6), 6718-6722.
23. Kalita, S.J.; Verma, S. Nanocrystalline hydroxyapatite bioceramic using microwave radiation: Synthesis and characterization. *Mater Sci Eng C*. **2010**, 30(2), 295-303.
24. Bilecka, I.; Niederberger, M. Microwave chemistry for inorganic nanomaterials synthesis. *Nanoscale*. **2010**, 2(8), 1358-1374.
25. Vasant, S.R.; Joshi, M.J. Synthesis And Characterization Of Nanoparticles Of Calcium Pyrophosphate. *Mod Phys Lett B*. **2011**, 25(01), 53-62.
26. Gou, L.F.; Chipara, M.; Zaleski, J.M. Convenient, rapid synthesis of Ag nanowires. *Chem Mater*. **2007**, 19(7), 1755-1760.
27. Tsuji, M.; Hashimoto, M.; Nishizawa, Y.; Kubokawa, M.; Tsuji, T. Microwave-Assisted Synthesis of Metallic Nanostructures in Solution. *Chem - A Eur J*. **2005**, 11(2), 440-452.

28. Tsuji, M.; Miyamae, N.; Hashimoto, M.; et al. Shape and size controlled synthesis of gold nanocrystals using oxidative etching by AuCl₄⁻ and Cl⁻ anions in microwave-polyol process. *Colloids Surfaces A Physicochem Eng Asp.* **2007**, 302(1-3), 587-598.
29. Tsuji, M.; Matsumoto, K.; Jiang, P.; Matsuo, R.; Tang, X.L. Kamarudin K.S.N. Roles of Pt seeds and chloride anions in the preparation of silver nanorods and nanowires by microwave-polyol method. *Colloids Surfaces A Physicochem Eng Asp.* **2008**, 316(1-3), 266-277.
30. Patel, K.; Kapoor, S.; Dave, D.P.; Mukherjee, T. *Synthesis of Au, Au/Ag, Au/Pt and Au/Pd Nanoparticles Using the Microwave-Polyol Method*. Vol 32, **2006**.
31. Jiang, H.; Moon, K.; Zhang, Z.; Pothukuchi, S.; Wong, C.P. Variable Frequency Microwave Synthesis of Silver Nanoparticles. *J Nanoparticle Res.* **2006**, 8(1), 117-124.
32. Ren, L.; Meng, L.; Lu, Q.; Fei, Z.; Dyson, P.J. Fabrication of gold nano- and microstructures in ionic liquids A remarkable anion effect. *J Colloid Interface.* **2008**, 323(2), 260-266.
33. Suryadi. *Sintesis Dan Karakterisasi Biomaterial Hidroksiapatit Dengan Proses Pengendapan Kimia Basah*. **2011**.
34. Pattanayak, D.K.; Dash, R.; Prasad, R.C.; Rao, B.T.; Rama Mohan, T.R. Synthesis and sintered properties evaluation of calcium phosphate ceramics. *Mater Sci Eng C*. **2007**, 27(4), 684-690.
35. Utami, L.; Arief, S.; Jamarudin, N. Pengaruh Kondisi Kalsinasi pada Sintesis Senyawa Hydroxyapatite. **2011**, 2(1).
36. Afriani, F.; Mustari; Tiandho, Y. Pengaruh Lama Pemanasan Terhadap Karakteristik Kristal Kalsium dari Limbah Cangkang Kerang. *J EduMatSains*. **2018**, 2(2), 189-200.
37. Alqap, A.S.F.; Sopyan, I. Low temperature hydrothermal synthesis of calcium phosphate ceramics: Effect of excess Ca precursor on phase behaviour. *Indian J Chem - Sect A Inorganic, Phys Theor Anal Chem.* **2009**, 48(11), 1492-1500.
38. Corrêa, T.H.A.; Holanda, J.N.F. Calcium pyrophosphate powder derived from avian eggshell waste. *Cerâmica*. **2016**, 62(363), 278-280.
39. Massit, A.; Yacoubi, A.E.I.; Chafik, B.; Idrissi, E.; Yamni, K. *Synthesis and Characterization of Nano-Sized β -Tricalcium Phosphate: Effects of the Aging Time*. Vol 7, **2014**.
40. Salimi, E.; Javadpour, J. Synthesis and Characterization of Nanoporous Monetite Which Can Be Applicable for Drug Carrier. *J Nanomater*. **2012**, 2012, 1-5.
41. Kamalanathan, P.; Ramesh, S.; Bang, L.T.; et al. Synthesis and sintering of hydroxyapatite derived from eggshells as a calcium precursor. *Ceram Int*. **2014**, 40(10), 16349-16359.

42. Sun, L.; Chow, L.C.; Frukhtbeyn, S.A.; Bonevich, J.E. Preparation and Properties of Nanoparticles of Calcium Phosphates With Various Ca/P Ratios. *J Res Natl Inst Stand Technol.* **2010**, 115(4), 243-255.
43. Hur, J.; Jung, K.Y.; Jung, Y.M. Characterization of spectral responses of humic substances upon UV irradiation using two-dimensional correlation spectroscopy. *Water Res.* **2011**, 45(9), 2965-2974.
44. Biyantoro, D.; Sukirno; Basuki, K.T. *Kinetika Reaksi Proses Adsorpsi Cs-137 Dalam Asam Humat Dan Senyawa Humat.* **2005**.
45. Prado, A.G.S.; Pertusatti, J.; Nunes, A.R. Aspects of protonation and deprotonation of humic acid surface on molecular conformation. *J Braz Chem Soc.* **2011**, 22(8), 1478-1483.
46. Wan Ngah, W.S.; Hanafiah, M.A.K.M.; Yong, S.S. Adsorption of humic acid from aqueous solutions on crosslinked chitosan-epichlorohydrin beads: kinetics and isotherm studies. *Colloids Surf B Biointerfaces.* **2008**, 65(1), 18-24.
47. Javier, P.; Escol, C.; Masaguer, A. Effects of pH Conditions and Application Rates of Commercial Humic Substances on Cu and Zn Mobility in Anthropogenic Mine Soils. **2019**, 11, 1-13.
48. Suziyana; Daud, S.; HS, E. Pengaruh Massa Adsorben Batang Pisang dan Waktu Kontak Adsorpsi Terhadap Efisiensi Penyisihan Fe dan Kapasitas Adsorpsi Pada Pengolahan Air Gambut. *Jom FTEKNIK.* **2017**, 4(1), 1-9.
49. Ermal, D.A.S.; Elystia, S.; Aziz, Y. Pemanfaatan Precipitated Calcium Carbonate (PCC) Dari Limbah Cangkang Kerang Darah (Anadara Granosa) Sebagai Adsorben Pengolahan Air Gambut. *Jom FTEKNIK.* **2016**, 3(2), 1-11.
50. Utami, L.; Arie, S.; Jamarun, N. Pengaruh Kondisi Kalsinasi pada Sintesis Senyawa Hidroksiapatit. **2011**, 2.
51. Yunita. Penjernihan Air Gambut Dengan Hidroksiapatit Yang Disintesis Dari Limbah Cangkang Langkitang (Faunus Ater). *SKRIPSI Sarjana Kimia, FMIPA UNAND Padang.* **2017**.
52. Barreto, M.S.C.; Elzinga, E.J.; Ramlogan, M.; Rouff, A.A.; Alleoni, L.R.F. Calcium enhances adsorption and thermal stability of organic compounds on soil minerals. *Chemistry Geology.* **2021**, 559.
53. Kloster, N.; Avena, M. Interaction of humic acids with soil minerals: Adsorption and surface aggregation induced by Ca²⁺. *Environmental Chemistry.* **2015**, 12, 731-738.