

DAFTAR PUSTAKA

1. Badan Penelitian dan Pengembangan Pertanian. *Peta Lahan Gambut Indonesia Skala 1:250.000*. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian. Desember 2011. Jakarta.
2. Suherman; Dadan; Nyoman, S.: Menghilangkan Warna dan Zat Organik Air Gambut dengan Metode Koagulasi-Flokulasi Suasana Basa. *Jurnal Riset Geologi dan Pertambangan* 2013, 23, 127-139.
3. Wei, W.; Lei, Y.; Wenhui, Z.; Jing, C.; Zhenggui, W.: Poorly Crystalline Hydroxyapatite: A Novel Adsorbent for Enhanced Fulvic Acid Removal from Aqueous Solution. *Applied Surface Science* 2015, 328–339.
4. Ulfia, S.M.M.; Astuti.: Sintesis Karbon Aktif dari Kulit Durian untuk Pemurnian Air Gambut. *Jurnal Fisika UNAND* 2014, 3 (4), 255-261.
5. Lukman, Setyobudiandi, I.; Muchsin.; Hariyadi, S.: Distribusi Kelimpahan Pensi (*Corbicula Moltkiana*, Prime 1878) di Danau Maninjau. *LIMNOTEK* 2015, 22(1), 12-21.
6. Zeswita, A.L.; Elza, S.: Karakter Morfometrik Pensi (*Corbicula Moltkiana* Prime) pada Dua Ekosistem yang Berbeda. *BioCONCETTA* 2015, 1(1), 49-58.
7. Wahyuni, S., Yenni, D.; Ramli: Optimalisasi Temperatur Kalsinasi untuk mendapatkan Kalsit-CaCO₃ dalam Cangkang Pensi (*Corbicula moltkiana*) yang terdapat di Danau Maninjau. *PILLAR OF PHYSICS* 2015, 6, 81-88.
8. Balgies, Sintesis dan Karakterisasi Hidroksiapatit dari Cangkang Kerang Ranga, *Skripsi*, Fisika, Institut Pertanian Bogor, Bogor, 2011.
9. Goto, T.; Keiko, S.: Synthesis of Morphologically Controlled Hydroxyapatite from Fish Bone by Urea-Assisted Hydrothermal Treatment and its Sr²⁺ Sorption Capacity. *Powder Technology* 2016, 292, 314–322.
10. Kongsri, S.; Kanogporn, J.; Keerati, B.; Suchila, T.; Saksit, C.: Nanocrystalline Hydroxyapatite from Fish Scale Waste: Preparation, Characterization and Application for Selenium Adsorption in Aqueous Solution. *Chemical Engineering Journal* 2012, 522–532.
11. Pon-On, W.; Panan, S.; Narattaphol, C.; Jirawan, T.; Nateetip, K.; Tang I. M.: Hydroxyapatite from Fish Scale for Potential use as Bone Scaffold or Regenerative Material. *Materials Science and Engineering* 2016, 183–189.
12. Suryadi, Sintesis dan Karakterisasi Biomaterial Hidroksiapatit dengan Pengendapan Kimia Basah, *Skripsi*, Teknik Metalurgi dan Material, Universitas Indonesia, Depok, 2011.
13. Eri, I.R.; Wahyono, H.: Kajian Pengolahan Air Gambut Menjadi Air Bersih dengan Kombinasi Proses Upflow Anaerobic Filter. 2008.

14. Darmayanto, Penggunaan Serbuk Tulang Ayam sebagai Penurun Intensitas Warna Air Gambut, *Tesis*, Program Megister, Universitas Sumatera Utara, Medan, 2009.
15. Chaudhuri, B.; Bholanath, M.; Modak, D.K.; Pramanik, K.; Chaudhuri B.K.: Preparation and Characterization of Nanocrystalline Hydroxyapatite from Eggshell and K_2HPO_4 solution. *Materials Letters* 2013, 97, 148-150.
16. Ningsih, R.P.; Nelly, W.; Lia, D.: Sintesis Hidroksiapatit dari Cangkang Kerang Kepah (*Polymesoda erosa*) dengan Variasi Waktu Pengadukan. *JKK* 2014, 3 (1), 22-26.
17. Muhara, K.; Ahmad, F.; Fajri, Akbar.: Sintesis Hidroksiapatit dari Kulit Kerang Darah dengan Metode Hidrotermal Suhu Rendah. *Jom FTEKNIK* 2015, 1(2), 1-5.
18. Shavandi, A.; Victoria, W.; Alaa, E.A.B.; Synthesis of Macro and Micro Porous Hydroxyapatite (HA) Structure. *Journal of Taiwan Institute of Chemical Engineers* 2016, 1-7.
19. Wu, S.; Hsueh-Chuan, H.; Yu-Ning, W.; Wen-fu, H.: Hydroxyapatite Synthesized from Oyster Shell Powders by Ball Milling and Heat Treatment. *Materials Characterization* 2011, 62, 1180-1187.
20. Singh, A.: Hydroxyapatite, a Biomaterial: Its Chemical Synthesis, Characterization and Study of Biocompatibility Prepared from Shell of Garden Snail, *Helix aspersa*. *Indian Academy of Sains* 2012, 6(35), 1031-1038.
21. Corno, M.; Busco, C.; Civalleri, B; Ugliengo, P: Periodic Ab Initio Study of Structural and Vibrational Features of Hexagonal Hydroxyapatite $Ca_{10}(PO_4)_6(OH)_2$. *Physical Chemistry Chemical Physics* 2006, 8(21), 2464-2472.
22. Saleha, M.; Halik, N.; Annisa.; Sudirman.; Subaer.: Sintesis dan Karakterisasi Hidroksiapatit dari Nanopartikel Kalsium Oksida (CaO) Cangkang Telur Untuk Aplikasi *Dental Implan*. *Prosiding Pertemuan Ilmiah XXIX HFI Jateng & DIY*. Yogyakarta 2015, 124-127.
23. Wang, P.; Li, C.; Gong, H.; Jiang, X.; Wangg, H.; Li, K.: Effects of Synthesis Conditions on the Morphology of Hydroxyapatite nanoparticles Produced by Wet Chemical Process. *Powder Technology* 2010, 203(2), 315-32.
24. Kannan, S.; Lemos, A.F.; Ferreira, J.M.F.: Synthesis and Mechanical Performances of Biological-like Hydroxyapatite. *Chemistry of Materials* 2006, 18(8), 2181-2186.
25. Khalil. Penggunaan Formula Mineral Lokal dalam Ransum Ayam Petelur. *Media Peternakan* 2010, 33(2), 115-123.

26. Muhammad, Marisa. Kemampuan Cangkang Pensi (*Corbicula moltkiana*) sebagai Penyerap Ion Cd(II) dan Cr(IV), *Skripsi*, Kimia, Universitas Andalas, Padang, 2016.
27. Widodo, T.; Qosari, R. I.: Efektifitas Penambahan Matos pada Stabilisasi Semen Tanah Berbutir Halus. *Jurnal Teknik* 2011, 1(2), 96-102.
28. Somayaji, S.: Civil Engineering Materials. New Jersey. Prentice Hall. 2001.
29. Tjokrodimuljo, K.: Teknologi Beton. Jurusan Teknik Sipil. Fakultas Teknik Universitas Gadjah Mada. Yogyakarta. 1996.
30. Yuliane, E.C, Penggunaan ZnO / Kayu Akasia (*Acacia mangilum*) sebagai Reaktor Fotokatalitik dalam Proses Penjernihan Air Gambut, *Skripsi*, Kimia, Universitas Andalas, Padang, 2016.
31. Novita, Efni. Penurunan Intensitas Warna Air Gambut Menggunakan Cangkang Telur sebagai *Problem-Based Learning* Pembelajaran Kimia (Studi Kasus Riau), *Tesis*, Kimia, Institut Teknologi Bandung, Bandung, 2008.
32. Saryati; Sulistioso, G.S.; Ari, H.; Supardji; Puji, U.; Bambang, S.: Hidroksiapatit Berpori dari Kulit Kerang. *Jurnal Sains Materi Indonesia* 2012, 395, 31-35.
33. Oliveira, S.V.; Fook, M.V.L.; Araujo, E.P.; Medeiros, K.M.; Rabello, G.P.; Barbosa, R.; Araujo, E.M.: Obtaining Tetracalcium Phosphate and Hydroxyapatite in Powder form by Wet Method. *Seventh International Latin American Conference on Powder Technology*. Brazil. 2010.
34. Dahlan, K.; Sari, Y.W.; Yuniarti, E.; Soejoko, D.S.: Karakterisasi Gugus Fosfat dan Karbonat dalam Tulang Tikus dengan *Fourier Transform Infrared (FT-IR) Spectroscopy*. *Jurnal Sains Materi Indonesia* 2006, 221-224.
35. Socrates. G.: *Infrared Characteristic Group Frequencies*. Edisi ke-2, Wiley,: A comprehensive reference of correlation tables, Chichester .1994.
36. Shirshova, L.T.; Ghabbour, E.A; Davies, G.: Spectroscopic Characterization of Humic Acid Fractions Isolated from Soil Using Different Extraction Procedures. *Geoderma* 2006, 133, 204–216.
37. Uyguner, C.S.; Bekbolet, M.: Evaluation of Humic Acid Photocatalytic Degradation by UV–vis and Fluorescence Spectroscopy. *Catalysis Today* 2005, 101(3), 267-274.
38. Chin, Y.P.; Aiken, G.; O'Loughlin, E.: Molecular Weight, Polydispersity, and Spectroscopic Properties of Aquatic Humic Substances. *Environ. Sci. Technol.* 1994, 28(11), 1853-1858.
39. McCreary, J.J.; Snoeyink, V.L.: Characterization and Activated Carbon Adsorption of Several Humic Substances. *Water Res.* 1980, 14 151–160.

40. Abate, G.; dos Santos, L.B.O.; Colombo, S.M.; Masini, J.C.: Removal of Fulvic Acid from Aqueous Media by Adsorption onto Modified Vermiculite. *Appl. Clay Sci.* 2006, 32, 261–270.
41. Knauer, K.; Buffle, J.: Adsorption of Fulvic Acid on Algal Surfaces and Its Effect on Carbon Uptake. *J. Phycol.* 2001, 37, 47–51.
42. Yang, K.; Xing, B.S.: Adsorption of Fulvic Acid by Carbon Nanotubes from Water. *Environ. Pollut.* 2009, 157, 1095–1100.
43. Herawaty, L.; Eti, R.; Charlena; Sulistioso, G.S.: Synthesis of Hydroxyapatite Nanoparticle from Tutut (*Bellamyia javanica*) Shells by using Precipitation Method for Artificial Bone Engineering. *Advanced Materials Research* 2014, 896, 284-287.

