

DAFTAR PUSTAKA

1. Rachmawati AS. Prevalensi Kanker di Rumah Sakit Jasa Kartini Kota Tasikmalaya Tahun 2018. *J Kesehat Komunitas Indones*. 2020;16(1):119-126.
2. Winarti L. Sistem Penghantaran Obat Tertarget, Macam, Jenis-Jenis Sistem Penghantaran, dan Aplikasinya. *Stomatognatic (JKG Unej)*. 2013;10(2):75-81.
3. Wilczewska AZ, Niemirowicz K, Markiewicz KH, Car H. Nanoparticles as drug delivery systems. *Pharmacol Reports*. 2012;64(5):1020-1037.
4. Guo X, Szoka FC. Chemical Approaches to Triggerable Lipid Vesicles for Drug and Gene Delivery. *Acc Chem Res*. 2003;36(5):335-341.
5. Dan P, Sundararajan V, Ganeshkumar H, et al. Evaluation of hydroxyapatite nanoparticles - induced in vivo toxicity in *Drosophila melanogaster*. *Appl Surf Sci*. 2019;484(April):568-577.
6. Lukman, I. Setyobudiandi, Muchsin I, Hariyadi S. Distribusi Kelimpahan Pensi (*Corbicula moltkiana*, Prime 1878) di Danau Maninjau. 2015;22(1):12-21.
7. Putra WA, Dr. Novesar Jamarun M, Agustien DA. Sintesis Hidroksiapatit dan Zn-Hidroksiapatit Menggunakan Kalsium dari Cangkang Kerang Pensi Danau Maninjau Serta Uji Resistensi Terhadap Bakteri. *Skripsi Sarj Kim Univ Andalas*. 2018:1-3.
8. Luo Y, Ling Y, Guo W, et al. Docetaxel Loaded Oleic Acid-Coated Hydroxyapatite Nanoparticles Enhance the Docetaxel Induced Apoptosis Through Activation of Caspase-2 in Androgen Independent Prostate Cancer Cells. *J Control Release*. 2010;147(2):278-288.
9. Kehoe S, Eng B. Optimisation of Hydroxyapatite (HAp) for Orthopaedic Application via the Chemical Precipitation Technique By. *Rheology*. 2008;(September).
10. Jordy W, Fadli A, Bina K, Ji W, Soebrantas HR, Baru S. Sintesis Magnetite/Hidroksiapatit Composite Menggunakan Metode Presipitasi dengan Variasi Magnetite dan Suhu Pemanasan. 2019;6:1-6.
11. Petchsang N, Pon-On W, Hodak JH, Tang IM. Magnetic Properties of Co-Ferrite-Doped Hydroxyapatite Nanoparticles Having a Core/Shell Structure. *J Magn Magn Mater*. 2009;321(13):1990-1995.
12. Arruebo M, Fernández-Pacheco R, Ibarra MR, Santamaría J. Magnetic nanoparticles for drug delivery The potential of magnetic NPs stems from the intrinsic properties of their magnetic cores combined with their drug loading

- capability and the biochemical properties that can be bestowed on them by means of a suitab. 2007;2(3):22-32.
13. Song Q, Ding Y, Wang ZL, Zhang ZJ. Tuning the Thermal Stability of Molecular Precursors for the Nonhydrolytic Synthesis of Magnetic MnFe₂O₄ Spinel Nanocrystals. *Chem Mater*. 2007;19(19):4633-4638.
 14. Ansar EB, Ajeesh M, Yokogawa Y, Wunderlich W, Varma H. Synthesis and Characterization of Iron Oxide Embedded Hydroxyapatite Bioceramics. *J Am Ceram Soc*. 2012;95(9):2695-2699.
 15. Ardhini SR, Rahmayeni, Admi. Material Komposit CuFe₂O₄ /HA Sebagai Drug Delivery Yang Disintesis Dengan Metoda Hidrotermal. *Skripsi Sarj Kim Univ Andalas Kim Univ Andalas*. 2020.
 16. Li F, Liu J, Evans DG, Duan X. Stoichiometric Synthesis of Pure MFe₂O₄ (M = Mg, Co, and Ni) Spinel Ferrites from Tailored Layered Double Hydroxide (Hydrotalcite-Like) Precursors. *Chem Mater*. 2004;16(8):1597-1602.
 17. Kantharia N, Naik S, Apte S, Kheur M, Kheur S, Kale B. Nano-Hydroxyapatite and Its Contemporary Applications. *J Dent Res Sci Dev*. 2014;1(1):15.
 18. Kalita SJ, Bhardwaj A, Bhatt HA. Nanocrystalline Calcium Phosphate Ceramics in Biomedical Engineering. *Mater Sci Eng C*. 2007;27(3):441-449.
 19. Mostafa NY, Brown PW. Computer Simulation of Stoichiometric Hydroxyapatite: Structure and Substitutions. *J Phys Chem Solids*. 2007;68(3):431-437.
 20. Pinangsih AC, Wardhani S, Darjito. Sintesis Biokeramik Hidroksiapatit (Ca₁₀(PO₄)₆(OH)₂) dari Limbah Tulang Sapi Menggunakan Metode Sol-Gel. *Kim Student J*. 2014;1(2):203-209.
 21. Yuliani NS. Sintesis dan Karakterisasi Hidroksiapatit dari Cangkang Telur Ayam Serta Pengaruh Penambahan Kitosan Terhadap Sifat Mekanik Hidroksiapatit. *Skripsi Sarj Kim Univ Sriwij*. 2018.
 22. Suryadi. Sintesis dan Karakterisasi Biomaterial Hidroksiapatit dengan Proses Pengendapan Kimia Basah. *J Chem Inf Model*. 2021;53(9):6.
 23. Yoruç ABH, Koca Y. Double Step Stirring: A Novel Method for Precipitation of Nano-Sized Hydroxyapatite Powder. *Dig J Nanomater Biostructures*. 2009;4(1):73-81.
 24. Xu Feng. Chemical and Biochemical Basis of Cell-Bone Matrix Interaction in Health and Disease. *Curr Chem Biol*. 2009;3(205):189-196.
 25. Hengky Bowo Ardhiyanto. Peran Hidroksiapatit Sebagai Mineral Bone Graft

- dalam Menstimulasi Kepadatan Kolagen Tipe L pada Proses Penyembuhan Tulang. *Stomatognatic (JKG Unej)*. 2012;9(1):16-18.
26. Peroos S, Du Z, De Leeuw NH. A Computer Modelling Study of the Uptake, Structure and Distribution of Carbonate Defects in Hydroxyapatite. *Biomaterials*. 2006;27(9):2150-2161.
 27. Tatarchuk T, Bououdina M, Judith Vijaya J, John Kennedy L. Spinel ferrite nanoparticles: Synthesis, crystal structure, properties, and perspective applications. *Springer Proc Phys*. 2017;195:305-325.
 28. Idayanti N, Dedi, Manaf A. Structural change and magnetic properties of mechanically alloyed spinel ferrite CoFe_2O_4 . *Key Eng Mater*. 2020;855 KEM:108-116.
 29. Sickafus KE, Wills JM, Grimes NW. Structure of spinel. *J Am Ceram Soc*. 1999;82(12):3279-3292.
 30. Mathew DS, Juang RS. An Overview of the Structure and Magnetism of Spinel Ferrite Nanoparticles and Their Synthesis in Microemulsions. *Chem Eng J*. 2007;129(1-3):51-65.
 31. Li H, Wu H zhong, Xiao G xian. Effects of Synthetic Conditions on Particle Size and Magnetic Properties of NiFe_2O_4 . *Powder Technol*. 2010;198(1):157-166.
 32. Rahmayeni, Zulhadjri, Jamarun N, Emriadi, Arief S. Synthesis of $\text{ZnO-NiFe}_2\text{O}_4$ magnetic nanocomposites by simple solvothermal method for photocatalytic dye degradation under solar light. *Orient J Chem*. 2016;32(3):1411-1419.
 33. Hajalilou A, Hashim M, Ebrahimi-Kahrizsangi R, Mohamed Kamari H, Sarami N. Synthesis and Structural Characterization of Nano-Sized Nickel Ferrite Obtained by Mechanochemical Process. *Ceram Int*. 2014;40(4):5881-5887.
 34. Yelenich O V., Solopan SO, Kolodiazhnyi T V., Dzyublyuk V V., Tovstolytkin AI, Belous AG. Superparamagnetic Behavior and AC-losses in NiFe_2O_4 Nanoparticles. *Solid State Sci*. 2013;20:115-119.
 35. Joshi S, Kumar M, Chhoker S, Srivastava G, Jewariya M, Singh VN. Structural, Magnetic, Dielectric and Optical Properties of Nickel Ferrite Nanoparticles Synthesized by co-precipitation Method. *J Mol Struct*. 2014;1076:55-62.
 36. de Klerk D. Magnetic properties below 1 °K. *Phys Today*. 1953;6(2):4-9.
 37. Setiadi EA, Shabrina N, Retno H, et al. Sintesis Nanopartikel Cobalt Ferrite (CoFe_2O_4) dengan Metode Kopresipitasi dan Karakterisasi Sifat Kemagnetannya. *Indones J Appl Phys*. 2013;3(1):55-62.
 38. Murakami S, Hosono T, Jeyadevan B, Kamitakahara M, Ioku K. Hydrothermal

- Synthesis of Magnetite/Hydroxyapatite Composite Material for Hyperthermia Therapy for Bone Cancer. *J Ceram Soc Japan*. 2008;116(1357):950-954.
39. Kim BYS, Rutka JT, Chan WCW. Nanomedicine. *N Engl J Med*. 2010;363(25):2434-2443.
 40. Nie S. Understanding and Overcoming Major Barriers in Cancer Nanomedicine Opsonization & Phagocytosis. 2010;5(4):523-528.
 41. Sciortino L, Longo A, Giannici F, Martorana A. Effect of the Capping Agents on Cobalt Nanoparticles. *J Phys Conf Ser*. 2009;190(May 2017).
 42. Selawa W, Revolva M, Runtuwene J, et al. Kandungan Flavonoid dan Kapasitas Antioksidan Total Ekstrak Etanol Daun Binahong [*Anredera cordifolia*(Ten.)Steenis.]. *Pharmacon*. 2013;2(1):18-23.
 43. Logeswari P, Silambarasan S, Abraham J. Synthesis of Silver Nanoparticles Using Plants Extract and Analysis of Their Antimicrobial Property. *J Saudi Chem Soc*. 2015;19(3):311-317.
 44. Punuri JB, Sharma P, Sibyala S, Tamuli R, Bora U. Piper Betle-Mediated Green Synthesis of Biocompatible Gold Nanoparticles. *Int Nano Lett*. 2012;2(1):1-9.
 45. Dwivedi V, Tripathi S. Review Study on Potential Activity of Piper Betle. *J Pharmacogn Phytochem JPP*. 2014;93(34):9398.
 46. Hayashi H, Hakuta Y. Hydrothermal Synthesis of metal oxide nanoparticles in supercritical water. *Materials (Basel)*. 2010;3(7):3794-3817.
 47. Walujodjati A. Ebee comel riyantiku. *J Momentum UNWAHAS*. 2008;4(2):115092.
 48. Kooti M, Sedeh AN. Synthesis and Characterization of NiFe₂O₄ Magnetic Nanoparticles by Combustion Method. *J Mater Sci Technol*. 2013;29(1):34-38.
 49. Maaz K, Karim S, Mumtaz A, Hasanain SK, Liu J, Duan JL. Synthesis and Magnetic Characterization of Nickel Ferrite Nanoparticles Prepared by co-precipitation Route. *J Magn Magn Mater*. 2009;321(12):1838-1842.
 50. Srivastava M, Chaubey S, Ojha AK. Investigation on Size Dependent Structural and Magnetic Behavior of Nickel Ferrite Nanoparticles Prepared by Sol-Gel and Hydrothermal Methods. *Mater Chem Phys*. 2009;118(1):174-180.
 51. Balamurugan A, Michel J, Fauré J, et al. Synthesis and Structural Analysis of Sol-Gel Derived Stoichiometric Monophasic Hydroxyapatite. *Ceram - Silikat*. 2006;50(1):27-31.
 52. Sopyan I, Arianti M, Alhamidi AA. Pengembangan serbuk hidroksiapatit untuk

- aplikasi medis : karakterisasi awal dengan ftir dan xrd. *Pros Pertem Ilmiah Ibnu Pengetah dan Teknol Bahan*. 2002:199-204.
53. Chládová A, Wiener J, Luthuli JM, Zajícová V. Dyeing of Glass Fibres by the Sol Gel Method. *Autex Res J*. 2011;11(1):18-23.
 54. Atia N. Sidiqa, Nina Djustiana, Bambang Sunendar RF. Surface Modification of Multilayer Coatings Ti-Al-Cr and Hydroxyapatite on Calcium Phosphate Cement with Sol-Gel Method. 2012:19-20.
 55. Azizah N. Green Synthesis Material Komposit Magnetik ZnO/CuFe₂O₄ untuk Fotodegradasi Zat Warna Rodamin B. dan Antibakteri. *Skripsi Sarj Kim Univ Sriwij*. 2019:4-6.
 56. Labbani A. Pendekatan Green Synthesis Nanopartikel Perak dan Komposit Hidroksiapatit-Nanoperak dengan Bioreduktor Ekstrak Daun Uncaria Gambir Roxb. Serta Aktivitas Antibakterinya. *Disertasi Univ Andalas*. 2019.
 57. Sriramulu M, Shukla D, Sumathi S. Aegle marmelos leaves extract mediated synthesis of zinc ferrite: Antibacterial activity and drug delivery. *Mater Res Express*. 2018;5(11):1-9.
 58. Mufflihatun Shofiah S, Suharyadi E. Sintesis Nanopartikel Nickel Ferrite (NiFe₂O₄) dengan Metode Kopresipitasi dan Karakterisasi Sifat Kemagnetannya. *J Fis Indones*. 2015;19(56):20-25.
 59. Rahmawita S, Ulianas A. Sintesis dan Karakterisasi Magnetic Nanopartikel NiFe₂O₄ Menggunakan Ekstrak Kulit Buah Naga (Hylocereus Polyrhizus). 2021;10(1):1-6.
 60. Foroughi F, Hassanzadeh-Tabrizi SA, Bigham A. In situ Microemulsion Synthesis of Hydroxyapatite-MgFe₂O₄ Nanocomposite as A Magnetic Drug Delivery System. *Mater Sci Eng C*. 2016;68:774-779.