

DAFTAR PUSTAKA

1. Anandan S.; Selvamani T.; Prasad G.G.; M. Asiri A.; J. Wu J.: Magnetic and Catalytic Properties of Inverse Spinel CuFe_2O_4 Nanoparticles. *J Magn Magn Mater*. 2017. 432: 437-443.
2. Kaur N.; Kaur M.: Envisioning the Composition Effect on Structural, Magnetic, Thermal and Optical Properties of Mesoporous MgFe_2O_4 -GO Nanocomposites. *Ceram Int*. 2018. 44(4): 4158-4168.
3. Kefeni K.K.; Mamba B.B.: Photocatalytic Application of Spinel Ferrite Nanoparticles and Nanocomposites in Wastewater Treatment: Review. *Sustain Mater Technol*. 2020. 23:e00140.
4. Rahmayeni R.; Oktavia Y.; Stiadi Y.; Arief S.; Zulhadjri Z.: Spinel Ferrite of MnFe_2O_4 Synthesized in Piper betle Linn Extract Media and its Application as Photocatalysts and Antibacterial. *J Dispers Sci Technol*. 2020. 0(0):1-10.
5. Masunga N.; Mmesesi O.K.; Kefeni K.K.; Mamba B.B.: Recent Advances in Copper Ferrite Nanoparticles and Nanocomposites Synthesis, Magnetic Properties and Application in Water Treatment: Review. *J Environ Chem Eng*. 2019. 7(3):103179.
6. Lee T.; Zubir Z.A.; Jamil F.M.; Matsumoto A.; Yeoh F.Y.: Combustion and Pyrolysis of Activated Carbon Fibre from Oil Palm Empty Fruit Bunch Fibre assisted through Chemical Activation with Acid Treatment. *J Anal Appl Pyrolysis*. 2014. 110(1):408-418.
7. Wang S.; Nam H.; Nam H.: Preparation of Activated Carbon from Peanut Shell with KOH Activation and its Application for H_2S Adsorption in Confined space. *J Environ Chem Eng*. 2020. 8(2):103683.
8. Hidayu A.R.; Mohamad N.F.; Matali S.; Sharifah A.S.A.K.: Characterization of Activated Carbon Prepared from Oil Palm Empty Fruit Bunch using BET and FT-IR Techniques. *Procedia Eng*. 2013. 68:379-384.
9. Septevani A.A.; Rifathin A.; Sari A.A.: Oil Palm Empty Fruit Bunch-based Nanocellulose as a Super-Adsorbent for Water Remediation. *Carbohydr Polym*. 2020. 229:115433.
10. Foroutan R.; Mohammadi R.; Ramavandi B.: Elimination Performance of Methylene Blue, Methyl Violet, and Nile Blue from Aqueous Media using AC/ CoFe_2O_4 as a Recyclable Magnetic Composite. *Environmental Science and Pollution Research*. 2019. 19523-19539.
11. Ai L.; Huang H.; Chen Z.; Wei X.; Jiang J.: Activated Carbon/ CoFe_2O_4 Composites: Facile Synthesis, Magnetic Performance and their Potential Application for the Removal of Malachite Green from Water. *Chem Eng J*. 2010. 156(2):243-249.
12. Shao L.; Ren Z.; Zhang G.; Chen L.: Facile Synthesis, Characterization of a MnFe_2O_4 /Activated Carbon Magnetic Composite and its Effectiveness in Tetracycline Removal. *Mater Chem Phys*. 2012. 135(1):16-24.
13. Jiang T.; Liang Y.D.; He Y.J.; Wang Q.: Activated Carbon/ NiFe_2O_4 Magnetic

Composite: a Magnetic Adsorbent for the Adsorption of Methyl Orange. *J Environ Chem Eng*. 2015. 3(3):1740-1751.

14. Fröhlich A.C.; Foletto E.L.; Dotto G.L.: Preparation and Characterization of NiFe₂O₄/Activated Carbon Composite as Potential Magnetic Adsorbent for Removal of Ibuprofen and Ketoprofen Pharmaceuticals from Aqueous Solutions. *J Clean Prod*. 2019. 229:828-837.
15. Naidu K.C.B.; Madhuri W.: Hydrothermal Synthesis of NiFe₂O₄ Nanoparticles: Structural, Morphological, Optical, Electrical and Magnetic Properties. *Bull Mater Sci*. 2017. 40(2):417-425.
16. Lagashetty A.; Ganiger S.K.; Shashidhar.: Synthesis, Characterization and Antibacterial Study of Ag–Au Bi-Metallic Nanocomposite by Bioreduction using Piper betle Leaf Extract. *Heliyon*. 2019. 5(12):e02794.
17. Singh J.; Kaur N.; Kaur P.: Piper betle Leaves Mediated Synthesis of Biogenic SnO₂ Nanoparticles for Photocatalytic Degradation of Reactive Yellow 186 Dye under Direct Sunlight. *Environ Nanotechnology, Monit Manag*. 2018. 10:331-338.
18. Labanni A.; Zulhadjri.; Handayani D.; Arief S.: Uncaria gambir Roxb. Mediated Green Synthesis of Silver Nanoparticles using Diethanolamine as Capping Agent. *IOP Conf Ser Mater Sci Eng*. 2018. 299(1).
19. Kombaiah K.; Vijaya J.J.; Kennedy L.J.; Bououdina M.; Ramalingam R.J.; Al-Lohedan H.A.: Okra Extract-assisted Green Synthesis of CoFe₂O₄ Nanoparticles and their Optical, Magnetic, and Antimicrobial Properties. *Mater Chem Phys*. 2018. 204:410-419.
20. Madhukara Naik M.; Bhojya Naik H.S.; Nagaraju G.; Vinuth M.; Raja Naika H.; Vinu K.: Green Synthesis of Zinc Ferrite Nanoparticles in Limonia acidissima Juice: Characterization and their Application as Photocatalytic and Antibacterial Activities. *Microchem J*. 2019. 146:1227-1235.
21. Nurul A.: Green Synthesis Material Komposit Magnetik ZnO/CuFe₂O₄ untuk Fotodegradasi Zat Warna Rodamin B dan Antibakteri. *Skripsi*. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Andalas. Padang. 2019.
22. Mahajan P.; Sharma A.; Kaur B.; Goyal N.; Gautam S.: Green Synthesized (Ocimum sanctum and Allium sativum) Ag-doped Cobalt Ferrite Nanoparticles for Antibacterial Application. *Vacuum*. 2019. 161:389-397.
23. Gingasu D.; Mindru I.; Patron L.: Green Synthesis Methods of CoFe₂O₄ and Ag-CoFe₂O₄ Nanoparticles Using Hibiscus Extracts and Their Antimicrobial Potential. *J Nanomater*. 2016. 2016.
24. Punuri J.B.; 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.
25. Dwivedi V.; Tripathi S.: Review study on Potential Activity of Piper betle. 2014. 3(4):93-98.
26. Othman I.; Abu M.; Ismail I.; Hisham J.; Banat F.: Preparation and Catalytic Performance of CuFe₂O₄ Nanoparticles supported on Reduced Graphene Oxide

(CuFe₂O₄/rGO) for Phenol Degradation. *Mater Chem Phys*. 2019. 238:121931.

27. Rashad M.M.; Soltan S.; Ramadan A.A.; Bekheet M.F.; Rayan D.A.: Investigation of the Structural, Optical and Magnetic Properties of CuO/CuFe₂O₄ Nanocomposites Synthesized via Simple Microemulsion Method. *Ceram Int*. 2015. 41(9):12237-12245.
28. Oginni O.; Singh K.; Oporto G.; Dawson-andoh B.; Mcdonald L.; Sabolsky E.: Bioresource Technology Reports Influence of one-step and two-step KOH Activation on Activated Carbon Characteristics. *Bioresour Technol Reports*. 2019. 7:100266.
29. Osman N.B.; Shamsuddin N.; Uemura Y.: Activated Carbon of Oil Palm Empty Fruit Bunch (EFB): Core and Shaggy. *Procedia Eng*. 2016. 148:758-764.
30. Jeguirim M.; Belhachemi M.; Limousy L.; Bennici S.: Adsorption/Reduction of Nitrogen Dioxide on Activated Carbons: Textural Properties versus Surface Chemistry – a review. *Chem Eng J*. 2018. 347:493-504.
31. Burhani D.; Septevani A.A.: Isolation of Nanocellulose from Oil Palm Empty Fruit Bunches using Strong Acid Hydrolysis. *AIP Conf Proc*. 2018. 2024.
32. Yuvakkumar R.; Suresh J.; Nathanael A.J.; Sundrarajan M.; Hong S.I.: Novel Green Synthetic Strategy to Prepare ZnO Nanocrystals using Rambutan (*Nephelium lappaceum* L.) Peel Extract and its Antibacterial Applications. *Mater Sci Eng C*. 2014. 41:17-27.
33. Ismunandar.: *Padatan Oksida Logam: Struktur, Sintesis, Dan Sifat-Sifatnya*. Penerbit ITB. 2006. 117-123.
34. Mandal B.; Panda J.; Kumar P.; Sarkar R.; Tudu B.: MnFe₂O₄ Decorated Reduced Graphene Oxide Heterostructures: Nanophotocatalyst for Methylene Blue Dye Degradation. *Vacuum*. 2020. 173:109150.
35. Shaabani B.; Alizadeh-Gheshlaghi E.; Azizian-Kalandaragh Y.; Khodayari A.: Preparation of CuO Nanopowders and their Catalytic Activity in Photodegradation of Rhodamine-B. *Adv Powder Technol*. 2014. 25(3):1043-1052.
36. Paul A.; Dhar S.S.: Construction of Hierarchical MnMoO₄/NiFe₂O₄ Nanocomposite: Highly Efficient Visible Light Driven Photocatalyst in the Degradation of Different Polluting Dyes in Aqueous Medium. *Colloids Surfaces A Physicochem Eng Asp*. 2020. 585: 124090.
37. Guo N.; Liu H.; Fu Y.; Hu J.: Preparation of Fe₂O₃ Nanoparticles doped with In₂O₃ and Photocatalytic Degradation Property for Rhodamine B. *Optik (Stuttg)*. 2020. 201: 163537.
38. Wang Y.; Yang Q.; Wang X.: Photocatalytic Degradation of Rhodamin B and Diclofenac Sodium on Hollow Hierarchical Microspheres of BiOBr Modified with Sepiolite and Polyvinyl Pyrrolidone (PVP). *Mater Sci Eng B Solid-State Mater Adv Technol*. 2019. 244:12-22.
39. Danish M.; Khanday W.A.; Hashim R.; Sulaiman N.S.B.; Akhtar M.N.; Nizami M.: Application of Optimized Large Surface Area Date Stone (*Phoenix dactylifera*) Activated Carbon for Rhodamin B Removal from Aqueous Solution: Box-

Behnken Design approach. *Ecotoxicol Environ Saf.* 2017. 139:280-290.

40. Weni. Penerapan Metode Solvotermal untuk Sintesis Nanokomposit ZnO/MFe₂O₄ (M = Ni, Cu) dan Uji Sifat Fotokatalitiknya dibawah Sinar Matahari. *Skripsi.* Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Andalas. Padang. 2015.
41. Kittappa S.; Mohd F.; Ramalingam M.; Syuhadaa N.; Ibrahim S.: Functionalized Magnetic Mesoporous Palm Shell Activated Carbon for Enhanced Removal of Azo Dyes. *J Environ Chem Eng.* 2020. 8(5):104081.
42. Wachid F.M.; Darminto.: Analisis Fasa Karbon pada Proses Pemanasan. 2012. 1(1):1-4.
43. Phuruangrat, A.; Kuntalue, B.; Thongtem S.; Thongtem T.: Synthesis of Cubic CuFe₂O₄ Nanoparticles by Microwave-Hydrothermal Method and their Magnetic Properties. *Mater Lett.* 2016:4-14.
44. Ali R.M.; Elkatory M.R.; Hamad H.A.: Highly Active and Stable Magnetically Recyclable CuFe₂O₄ as a Heterogeneous Catalyst for Efficient Conversion of Waste Frying Oil to Biodiesel. *Fuel.* 2020. 268:117297.
45. Cao Z.; Zuo C.; Wu H.: One Step for Synthesis of Magnetic CuFe₂O₄ Composites as Photo-fenton Catalyst for Degradation Organics. *Mater Chem Phys.* 2019. 237: 121842.
46. Doğan, M.; Pinar, S.; Zayenp B.; Berna K.K.; Turhan Y. Activated Carbon Synthesis from Tangerine Peel and its Use in Hydrogen Storage. 2020.
47. Soto-arreola A.; Huerta-flores A.M.; Mora-hernández J.M.; Torres-martínez L.M.: Comparative Study of the Photocatalytic Activity for Hydrogen Evolution of MFe₂O₄ (M = Cu, Ni) Prepared by Three Different Methods. *Journal Photochem Photobiol A Chem.* 2018. 357:20-29.
48. Durka A.M.M.; Antony S.A. Hibiscus rosa - sinensis Leaf Extracted Green Methods, Magneto-Optical and Catalytic Properties of Spinel CuFe₂O₄ Nano and Microstructures. 2015.
49. Satheshkumar M.K.; Kumar E.R.; Srinivas C.; Prasad G.; Singh S.: Structural and Magnetic Properties of CuFe₂O₄ Ferrite Nanoparticles Synthesized by Cow Urine assisted Combustion method. *J Magn Magn Mater.* 2019. 484:120-125.
50. Rahmayeni.; Putri J.; Stiadi Y.; Zilfa.; Zuhadjri.: Green Synthesis of NiFe₂O₄ Spinel Ferrites Magnetic in the Presence of Hibiscus rosa-sinensis Leaves Extract: Morphology, Structure and Activity. *Rasayan J Chem.* 2019. 12(4):1942-1949.
51. Foroutan R.; Mohammadi R.; Razeghi J.; Ramavandi B.: Performance of Algal Activated Carbon/Fe₃O₄ Magnetic Composite for Cationic Dyes Removal from Aqueous Solutions. *Algal Res.* 2019. 40:101509.
52. Min C.; Mo Y.; Kim K.; Wang D.; Su C.; Yoon Y.: Chemosphere Potential Utility of Graphene-based Nano Spinel Ferrites as Adsorbent and Photocatalyst for Removing Organic/Inorganic Contaminants from Aqueous Solutions: A mini review. *Chemosphere.* 2019. 221:392-402.

