

## DAFTAR PUSTAKA

- Adamson, A. W., 1990, *Physical Chemistry of Surface*, John Wiley and Sons, Inc.
- Adegoke, K. A., dan Bello, O. S., 2015, Dye sequestration using agricultural wastes as adsorbents, *Water Resour. Ind.*, 12, 8–24.
- Agarwal, S., Anwer, K., Khanna, R., Ali, A., dan Sultana, Y., 2010, Humic acid from Shilajit: A physico-chemical and spectroscopic characterization, *J.Serbian Chem.Soc.*, 75(3), 413–422.
- Ahmad, N., Suryani Arsyad, F., Royani, I., dan Lesbani, A., 2022, Adsorption of methylene blue on magnetite humic acid: Kinetic, isotherm, thermodynamic, and regeneration studies, *Results Chem*, 4, 100629.
- Ahmad, R., dan Kumar, R., 2010, Adsorption studies of hazardous malachite green onto treated ginger waste, *J. Environ. Manage*, 91(4), 1032–1038.
- Ahmaruzzaman, M., 2008, Adsorption of phenolic compounds on low-cost adsorbents: A review, *Adv. Colloid Interface Sci.*, 143(1–2), 48–67.
- Anwar, D. I., dan Mulyadi, D., 2015, Synthesis of Fe-TiO<sub>2</sub> Composite as a Photocatalyst for Degradation of Methylene Blue, *Procedia Chem.*, 17, 49–54.
- Aparicio, F., Escalada, J. P., De Gerónimo, E., Aparicio, V. C., García Einschlag, F. S., Magnacca, G., Carlos, L., dan Mártire, D. O., 2019, Carbamazepine Degradation Mediated by Light in the Presence of Humic Substances-Coated Magnetite Nanoparticles, *Nanomater.*, 9(10), 1379.
- Arunachalam, K. D., 2021, Bio-adsorption of methylene blue dye using chitosan-extracted from *Fenneropenaeus indicus* shrimp shell waste, *J. aquac. Mar. biol.*, 10(4), 146–150.
- Bajpai, A. K., dan Rajpoot, M., 1999, Adsorption Techniques - A Review, *J. Sci. Ind. Res*, 58, 844–860.
- Basuki, R., 2021, Modifikasi Zat Humat dari Tinja Kuda dengan Magnetit, Kitin, dan Karboksimetil Selulosa (CMC) Serta Mekanisme Adsorpsinya Terhadap Logam Berat dan Zat Warna Kation, *Disertasi*, FMIPA UGM.
- Berezina, N., 2016, Production and application of chitin, *Phys. Sci. Rev*, 1(9).
- Blaney, L., 2007, Magnetite (Fe<sub>3</sub>O<sub>4</sub>): Properties, Synthesis, and Applications, *LR*, Vol. 15, 33-81.

- Boulaiche, W., Hamdi, B., dan Trari, M., 2019, Removal of heavy metals by chitin: equilibrium, kinetic and thermodynamic studies, *Appl. Water Sci.*, 9(2), 39.
- Cheng, J., Zhan, C., Wu, J., Cui, Z., Si, J., Wang, Q., Peng, X., dan Turng, L.S., 2020, Highly Efficient Removal of Methylene Blue Dye from an Aqueous Solution Using Cellulose Acetate Nanofibrous Membranes Modified by Polydopamine, *ACS Omega*, 5(10), 5389–5400.
- Contreras, M., Grande-Tovar, C. D., Vallejo, W., dan Chaves-López, C., 2019, Bio-Removal of Methylene Blue from Aqueous Solution by *Galactomyces geotrichum* KL20A, *Water*, 11(2), 282.
- Dao, H. M., Whang, C. H., Shankar, V. K., Wang, Y. H., Khan, I. A., Walker, L. A., Husain, I., Khan, S. I., Murthy, S. N., dan Jo, S., 2020, Methylene blue as a far-red light-mediated photocleavable multifunctional ligand, *ChemComm.*, 56(11), 1673–1676.
- Daoush, W. M., 2017, Co-Precipitation and Magnetic Properties of Magnetite Nanoparticles for Potential Biomedical Applications, *J. Nanomed. Res.*, 5(3), 1-6.
- Dardouri, S., dan Sghaier, J., 2017, Adsorptive removal of methylene blue from aqueous solution using different agricultural wastes as adsorbents, *Korean. J. Chem. Eng.*, 34(4), 1037–1043.
- Darjito, M. M. K. L. S. A., 2015, Adsorpsi Ion Co(II) Menggunakan Kitin Terfosforilasi, *Prosiding SEMIRATA 2015*.
- Dutta, J., Tripathi, S., dan Dutta, P. K., 2012, Progress in antimicrobial activities of chitin, chitosan and its oligosaccharides: a systematic study needs for food applications, *Food. Sci. Technol. Int.*, 18(1), 3–34.
- El-kharrag, R., Amin, A., dan Greish, Y. E., 2012, Low temperature synthesis of monolithic mesoporous magnetite nanoparticles, *Ceram. Int.*, 38(1), 627–634.
- Flaig, W., Beutelspacher, H., dan Rietz, E., 1975, *Chemical Composition and Physical Properties of Humic Substances*, Springer Berlin Heidelberg.
- Ganapathe, L. S., Mohamed, M. A., Mohamad Yunus, R., dan Berhanuddin, D. D., 2020, Magnetite (Fe<sub>3</sub>O<sub>4</sub>) Nanoparticles in Biomedical Application: From Synthesis to Surface Functionalization, *Magnetochemistry*, 6(4), 68.
- Hou, Y., L., dan Gao, S., 2004, Solvothermal reduction synthesis and magnetic properties of polymer protected iron and nickel nanocrystals, *J. Alloys Compd.*, 365(1–2), 112–116.

- Ihaddaden, S., Aberkane, D., Boukerroui, A., dan Robert, D., 2022,. Removal of methylene blue (basic dye) by coagulation-flocculation with biomaterials (bentonite and *Opuntia ficus indica*), *J. Water Process. Eng.*, 49, 102952.
- Illés, E., dan Tombácz, E., 2003, The role of variable surface charge and surface complexation in the adsorption of humic acid on magnetite, *Colloids Surf. A Physicochem.*, 230(1–3), 99–109.
- Inglezakis, V. J., dan Zorpas, A. A., 2012, Heat of adsorption, adsorption energy and activation energy in adsorption and ion exchange systems, *Desalin. Water. Treat.*, 39(1–3), 149–157.
- Ismillali, N., dan Hermanto, D., 2020, Isolasi Asam Humat dari Bendungan Batujai Lombok Tengah-NTB dan Potensinya sebagai Reduktif-Biosorben Au(III) pada Sistem Batch, *JID*, 21(1), 43.
- James, M., Revia, R. A., Stephen, Z., dan Zhang, M., 2020, Microfluidic Synthesis of Iron Oxide Nanoparticles, *Nanomaterials*, 10(11).
- Kaur, S., dan Dhillon, G. S., 2014, The versatile biopolymer chitosan: potential sources, evaluation of extraction methods and applications, *Crit.Rev.Microbiol*, 40(2), 155–175.
- Khan, I., Saeed, K., Zekker, I., Zhang, B., Hendi, A. H., Ahmad, A., Ahmad, S., Zada, N., Ahmad, H., Shah, L. A., Shah, T., dan Khan, I., 2022, Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation, *Water*, 14(2), 242.
- Klavins, M., dan Eglīte, L., 2002, Immobilisation of humic substances, *Colloids Surf. A Physicochem.*, 203(1–3), 47–54.
- Kleber, M., dan Lehmann, J., 2019, Humic Substances Extracted by Alkali Are Invalid Proxies for the Dynamics and Functions of Organic Matter in Terrestrial and Aquatic Ecosystems, *J. Environ. Qual.*, 48(2), 207–216.
- Klucakova, M., dan Veznikova, K., 2017., Micro-organization of humic acids in aqueous solutions, *J. Mol. Struct.*, 1144, 33–40.
- Koesnarpadi, S., 2017, Adsorpsi Fenol dan p-Klorofenol pada Fe<sub>3</sub>O<sub>4</sub> Tersalut Asam Humat (AH-Fe<sub>3</sub>O<sub>4</sub>), *Disertasi*, FMIPA UGM.
- Koesnarpadi, S., Santosa, S. J., Siswanta, D., dan Rusdiarso, B., 2017, Humic Acid Coated Fe<sub>3</sub>O<sub>4</sub> Nanoparticle for Phenol Sorption, *Indones. J. Chem.*, 17(2), 274.
- Kosswattaarachchi, A. M., dan Cook, T. R., 2018, Repurposing the Industrial Dye Methylene Blue as an Active Component for Redox Flow Batteries, *ChemElectroChem*, 5(22), 3437–3442.

- Krisbiantoro, P. A., Santosa, S. J., dan Kunarti, E. S., 2017, Synthesis of Fulvic Acid-Coated Magnetite (Fe<sub>3</sub>O<sub>4</sub>-FA) and Its Application for the Reductive Adsorption of [AuCl<sub>4</sub>]<sup>-</sup>, *Indones. J. Chem.*, 17(3), 453.
- Kumar, K. V., Porkodi, K., dan Rocha, F., 2008, Langmuir-Hinshelwood kinetics – A theoretical study, *Catal. Commun.*, 9(1), 82–84.
- Kurnia, K. A., Rahayu, A. P., Islami, A. F., Kusumawati, Y., Wenten, I. G., Ur Rahmah, A., Saepurahman, Wellia, D. V., dan Saefumillah, A., 2022, Insight into the adsorption of dyes onto chitin in aqueous solution: An experimental and computational study, *Arab. J. Chem.*, 15(11), 104293.
- Kustomo., 2016, Sintesis Magnetit Terlapis Asam Humat dan Aplikasinya untuk Adsorpsi Zat Warna Kation (Metilen Biru) dan Anion (Metilen Orange), *Tesis*, FMIPA UGM.
- Kustomo, dan Santosa, S. J., 2019, Studi Kinetika dan Adsorpsi Zat Warna Kation (Metilen Biru) dan Anion (Metil Orange) pada Magnetit Terlapis Asam Humat, *JJMS*, 1(2), 64–69.
- Le Wee, J., Law, M. C., Chan, Y. S., Choy, S. Y., dan Tiong, A. N. T., 2022, The Potential of Fe-Based Magnetic Nanomaterials for the Agriculture Sector, *ChemistrySelect*, 7(17).
- Lenders, J. J. M., Altan, C. L., Bomans, P. H. H., Arakaki, A., Bucak, S., de With, G., dan Sommerdijk, N. A. J. M., 2014, A Bioinspired Coprecipitation Method for the Controlled Synthesis of Magnetite Nanoparticles, *Cryst. Growth Des.*, 14(11), 5561–5568.
- Luan, W., Yang, H., Wan, Z., Yuan, B., Yu, X., dan Tu, S., 2012, Mercaptopropionic acid capped CdSe/ZnS quantum dots as fluorescence probe for lead(II), *J. Nanopart. Res.*, 14(3), 762.
- Lv, J., Lv, X., Ma, M., Oh, D.-H., Jiang, Z., dan Fu, X., 2023, Chitin and chitin-based biomaterials: A review of advances in processing and food applications, *Carbohydr. Polym.*, 299.
- Male, Y. T., Kunu, P. J., Talaud, C. F., dan Wattimury, J., 2022, Isolasi dan Karakterisasi Asam Humat dari Humus Tanah Asal Pulau Ambon dan Pulau Seram, Maluku, *MJoCE*, 12(1), 53–61.
- Medhat, A., El-Maghrabi, H. H., Abdelghany, A., Abdel Menem, N. M., Raynaud, P., Moustafa, Y. M., Elsayed, M. A., dan Nada, A. A., 2021, Efficiently activated carbons from corn cob for methylene blue adsorption, *Appl. Surf. Sci.*, 3, 100037.
- Meissner, P. E., Mandi, G., Coulibaly, B., Witte, S., Tapsoba, T., Mansmann, U., Rengelshausen, J., Schiek, W., Jahn, A., Walter-Sack, I., Mikus, G.,

- Burhenne, J., Riedel, K.-D., Schirmer, R. H., Kouyaté, B., dan Müller, O., 2006, Methylene blue for malaria in Africa: results from a dose-finding study in combination with chloroquine, *Malar. J.*, 5(1), 84.
- Muzzarelli, R.A.A., dan Peter, M. G., 1997, *Chitin Handbook*, European Chitin Society.
- Naeem, A., Saeed, T., Sayed, M., Ahmad, B., Mahmood, T., Farooq, M., dan Perveen, F., 2023, Chitosan decorated zirconium metal-organic framework for collaborative adsorption and photocatalytic degradation of methylene blue and methyl orange, *Process. Sat. Environ. Prot.*, 176, 115–130.
- Nasser Abdelhamid, H., dan Mathew, A. P., 2021, Cellulose-zeolitic imidazolate frameworks (CelloZIFs) for multifunctional environmental remediation: Adsorption and catalytic degradation, *J. Chem. Eng.*, 426.
- Ngatijo, Marlinda, L., Malikhah, W., Ishartono, B., dan Basuki, R., 2023, Magnetically Separable Humic Acid-Chitin Based Adsorbent as Pb(II) Uptake in Synthetic Wastewater, *Indones. J. Chem. Stud.*, 2(1), 13–21.
- Niculescu, A.-G., Chircov, C., dan Grumezescu, A. M., 2022, Magnetite nanoparticles: Synthesis methods – A comparative review. *Methods*, 199, 16–27.
- No, H. K., Meyers, S. P., dan Lee, K. S., 1989, Isolation and characterization of chitin from crawfish shell waste, *J. Agric. Food Chem.*, 37(3), 575–579.
- Oz, M., Lorke, D. E., Hasan, M., dan Petroianu, G. A., 2011, Cellular and molecular actions of Methylene Blue in the nervous system, *Med. Res. Rev.*, 31(1), 93–117.
- Peng, L., Qin, P., Lei, M., Zeng, Q., Song, H., Yang, J., Shao, J., Liao, B., dan Gu, J., 2012, Modifying Fe<sub>3</sub>O<sub>4</sub> nanoparticles with humic acid for removal of Rhodamine B in water, *J. Hazard. Mater.*, 209–210, 193–198.
- Petcharoen, K., dan Sirivat, A., 2012, Synthesis and characterization of magnetite nanoparticles via the chemical co-precipitation method, *J. Mater. Sci. Eng. B.*, 177(5), 421–427.
- Peternele, W. S., Monge Fuentes, V., Fascineli, M. L., Rodrigues da Silva, J., Silva, R. C., Lucci, C. M., dan Bentes de Azevedo, R., 2014, Experimental Investigation of the Coprecipitation Method: An Approach to Obtain Magnetite and Maghemite Nanoparticles with Improved Properties, *J. Nanomater.*, 2014, 1–10.
- Priyanto, A., F. M., dan Muhdarina, M. A., A., 2021, Adsorption and Characterization of Activated Sugarcane Bagasse Using Natrium Hydroxide, *Indo. J Chem. Res.*, 8(3), 202–209.

- Pulungan, A. R. R., dan Nasra, E., 2023, Adsorpsi Ion Cu(II) Menggunakan Selulosa dari Kulit Durian (*Durio zibethinus*) dengan Metode Batch, *JPTAM*, 7(2), 16641–16650.
- Rafatullah, Mohd., Sulaiman, O., Hashim, R., dan Ahmad, A., 2010, Adsorption of methylene blue on low-cost adsorbents: A review, *J. Hazard. Mater.*, 177(1–3), 70–80.
- Rahmawati, R., Taufiq, A., Sunaryono, S., Fuad, A., Yuliarto, B., Suytman, S., dan Kurniadi, D., 2018, Synthesis of Magnetite ( $\text{Fe}_3\text{O}_4$ ) Nanoparticles from Iron sands by Co - precipitation - Ultrasonic Irradiation Methods, *J. Mater. Environ. Sci.*, 9(1), 155–160.
- Rahmayanti, M., Abdillah, G., Santosa, S. J., dan Sutarno, S., 2020, Application of Humic Acid Isolated from Kalimantan Peat Soil Modifying Magnetite for Recovery of Gold, *JBAT*, 8(2), 77–83.
- Rahmayanti, M., Prandini, M. N., dan Santi, G. C., 2020, Aplikasi Asam Humat Hasil Isolasi Tanah Gambut Kalimantan sebagai Adsorben Zat Warna Naphthol Blue Black dan Indigosol Blue: Studi Perbandingan Model Kinetika dan Isoterm Adsorpsi, *JST*, 6(2), 91–98.
- Rahmayanti, M., Santosa, S. J., dan Sutarno, S., 2018, Comparative Study on the Adsorption of  $[\text{AuCl}]$  onto Salicylic Acid and Gallic Acid Modified Magnetite Particles, *Indones. J. Chem.*, 16(3), 329.
- Rahmayanti, M., Yunita, E., dan Prandini, M. N., 2019, Isolasi Asam Humat dari Tanah Gambut Sumatera dan Kalimantan dan Analisis Kandungan Gugus Fungsionalnya, *ILJ*, 07(02), 132–139.
- Revellame, E. D., Fortela, D. L., Sharp, W., Hernandez, R., dan Zappi, M. E., 2020, Adsorption kinetic modeling using pseudo-first order and pseudo-second order rate laws: A review, *Clean. Eng. Technol.*, 1, 100032.
- Rusdiarso, B., dan Basuki, R., 2020, Stability Improvement of Humic Acid as Sorbent through Magnetite and Chitin Modification, *J. Kim. Sains.apl.*, 23(5), 152–159.
- Sabar, S., Abdul Aziz, H., Yusof, N. H., Subramaniam, S., Foo, K. Y., Wilson, L. D., dan Lee, H. K., 2020, Preparation of sulfonated chitosan for enhanced adsorption of methylene blue from aqueous solution, *React. Funct. Polym.*, 151, 104584.
- Sahoo, T. R., dan Prelot, B., 2020, Adsorption processes for the removal of contaminants from wastewater: The Perspective Role of Nanomaterials and Nanotechnology, in: *Nanomaterials for the Detection and Removal of Wastewater Pollutants*, Elsevier., 161–222.



- Salazar-Rabago, J. J., Leyva-Ramos, R., Rivera-Utrilla, J., Ocampo-Perez, R., dan Cerino-Cordova, F. J., 2017, Biosorption mechanism of Methylene Blue from aqueous solution onto White Pine (*Pinus durangensis*) sawdust: Effect of operating conditions, *Sustain. Environ. Res.*, 27(1), 32–40.
- Santosa, S. J., Kunarti, E. S., Aprilita, N. H., Wulandari, B., dan Bawani, D. N., 2019, Sorption Mechanism and Performance of Peat Soil Humin for Methylene Blue and dan Nitrophenol, *Indones. J. Chem.*, 19(1), 198.
- Santosa, S. J., Siswanta, D., Kurniawan, A., dan Rahmanto, W. H., 2007, Hybrid of chitin and humic acid as high performance sorbent for Ni(II), *Surf. Sci.*, 601(22), 5155–5161.
- Santosa, S. J., Siswanta, D., Sudiono, S., dan Sehol, M., 2007, Synthesis and utilization of chitin–humic acid hybrid as sorbent for Cr(III), *Surf. Sci.*, 601(22), 5148–5154.
- Santosa, S. J., Siswanta, D., Sudiono, S., dan Utarianingrum, R., 2008, Chitin–humic acid hybrid as adsorbent for Cr(III) in effluent of tannery wastewater treatment, *Appl. Surf. Sci.*, 254(23), 7846–7850.
- Sarkar, D., Essington, M. E., dan Misra, K. C., 1999, Adsorption of Mercury(II) by Variable Charge Surfaces of Quartz and Gibbsite, *Soil. Sci. Soc. Am. J.*, 63(6), 1626–1636.
- Sehol, M., Santosa, J., dan Siswanta, D., 2018a, The Immobilization of Humic Acid on Chitin and Its Application as Adsorbent of Cr(III), *J. Chem. Res* 5 (2).
- Sehol, M., Santosa, J., dan Siswanta, D., 2018b, The Immobilization of Humic Acid on Chitin and Its Application as Adsorbent of Cr(III), *J. Chem. Res* 5 (2).
- Songkroah, C., Nakbanpote, W., dan Thiravetyan, P., 2004, Recovery of silver-thiosulphate complexes with chitin, *Process. Biochem.*, 39(11), 1553–1559.
- Steinberg, C. E. W., 2003, *Ecology of Humic Substances in Freshwaters*, Springer Verlag Berlin Heidelberg.
- Stevenson, F. J., 1994, *Humus Chemistry: Genesis, Compositions, Reactions* (2nd. Ed.), John Wiley and Sons, Inc.
- Sudiono, S., Yuniarti, M., Siswanta, D., Kunarti, E. S., Triyono, T., dan Santosa, S. J., 2017, The Role of Carboxyl and Hydroxyl Groups of Humic Acid in Removing AuCl from Aqueous Solution, *Indones. J. Chem.*, 17(1), 95.
- Sunardi, 2010, Kajian Spektroskopi FTIR, XRD, dan SEM Kaolin Alam Asal Tatakan, Kalimantan Selatan Hasil Purifikasi dengan Metode Sedimentasi, *Sains dan Terapan Kimia*, 4(2), 137–149.

- Sun, J., Zhou, S., Hou, P., Yang, Y., Weng, J., Li, X., dan Li, M., 2007, Synthesis and characterization of biocompatible  $\text{Fe}_3\text{O}_4$  nanoparticles, *J. Biomed. Mater. Res A.*, 80(2), 333–341.
- Sun, L., Hu, D., Zhang, Z., dan Deng, X., 2019, Oxidative Degradation of Methylene Blue via PDS-Based Advanced Oxidation Process Using Natural Pyrite, *Int. J. Environ. Res. Public Health.*, 16(23), 4773.
- Syahmani, Leny, Iriani, R., dan Sanjaya, R. E., 2018, Potency of Chitin as an Adsorbent in Black Water Treatment Process at Peatland Environment, *Proceedings of the 1st International Conference on Social Sciences Education, ICSSE 2017*.
- Taihuttu, B., Kayadoe, V., dan Mariwy, A., 2019, Studi Kinetika Adsorpsi Ion  $\text{Fe(III)}$  Menggunakan Limbah Ampas Sagu, *MJoCE.*, 9(1), 9–17.
- Tan, K. H., 1993, *Principles of Soil Chemistry* (2 ed.), Marcel Dekker.
- Thomas, J. M., 1994, *The Chemistry of Crystalline Sponge*, Vol. 368, Nature.
- Tolesa, L. D., Gupta, B. S., dan Lee, M.-J., 2019, Chitin and chitosan production from shrimp shells using ammonium-based ionic liquids, *Int. J. Biol. Macromol.*, 130, 818–826.
- Wahyuni, N., Silalahi, I. H., Nurlina, N., dan Yossy, Y., 2020, Isoterm Adsorpsi Kromium(III) oleh Biomassa Sargassum sp. (Isotherm Adsorption of Chromium(III) by Non-Living Sargassum sp.), *Biopropal Industri*, 11(2), 87.
- Wang, J., dan Guo, X., 2020a, Adsorption isotherm models: Classification, physical meaning, application and solving method. *Chemosphere*, 258, 127279.
- Wang, J., dan Guo, X., 2020b, Adsorption kinetic models: Physical meanings, applications, and solving methods, *J. Hazard. Mater.*, 390.
- Wu, W., Wu, Z., Yu, T., Jiang, C., dan Kim, W. S., 2015, Recent progress on magnetic iron oxide nanoparticles: synthesis, surface functional strategies and biomedical applications, *Sci. Technol. Adv. Mater.*, 16(2).
- Yahaya, N. K. E. M., Latiff, M. F. P. M., Abustan, I., Bello, O. S., dan Ahmad, M. A., 2011, Adsorptive Removal of  $\text{Cu(II)}$  Using Activated Carbon Prepared from Rice Husk by  $\text{ZnCl}_2$  Activation and Subsequent Gasification with  $\text{CO}_2$ . *Int. J. Eng. Technol.*, 11(01), 207–211.
- Yang, C., Dong, W., Cui, G., Zhao, Y., Shi, X., Xia, X., Tang, B., dan Wang, W., 2017, Highly efficient photocatalytic degradation of methylene blue by P2ABSA-modified  $\text{TiO}_2$  nanocomposite due to the photosensitization synergetic effect of  $\text{TiO}_2$  and P2ABSA, *RSC Adv.*, 7(38), 23699–23708.





- Ye, Jiannong., dan Baldwin, R. P., 1988, Catalytic reduction of myoglobin and hemoglobin at chemically modified electrodes containing methylene blue, *Anal. Chem.*, 60(20), 2263–2268.
- Yirga, G., dan Murthy, H. C.A., Bekele, E., 2019, Synthesis and Characterization of Humic Acid-coated Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Methylene Blue Adsorption Activity, *Adv. Mater. Lett.*, 10(10), 715–723.
- Younes, I., dan Rinaudo, M., 2015, Chitin and Chitosan Preparation from Marine Sources. Structure, Properties and Applications, *Mar. Drugs.*, 13(3), 1133–1174.
- Zhang, X., Zhang, P., Wu, Z., Zhang, L., Zeng, G., dan Zhou, C., 2013, Adsorption of methylene blue onto humic acid-coated Fe<sub>3</sub>O<sub>4</sub> nanoparticles. *Colloids Surf. A Physicochem.*, 435, 85–90.