

DAFTAR PUSTAKA

- Aamer, H., Heo, S., dan Jo, Y.M., 2021, Characterization of Multifunctional PAN/Zno Nanofibrous Composite Filter for Fine Dust Capture and Photocatalytic Activity, *J. Appl. Polym. Sci.*, 138, 1–10.
- Abdullah, M.A., Rahmah, A.U., dan Man, Z., 2010, Physicochemical and Sorption Characteristics of Malaysian *Ceiba pentandra* (L.) Gaertn. as a Natural Oil Sorbent, *J. Hazard. Mater.*, 177, 683–691.
- Adriani, D.M., Sitorus, B., dan Destiarti, L., 2013, Sintesis Material Konduktif Komposit Polianilin-Selulosa dari Tanah Gambut, *J. Kim. Khatulistiwa*, 2, 127–132.
- Agcaoili, A.R., Herrera, M.U., Futralan, C.M., dan Balela, M.D.L., 2017, Fabrication of Polyacrylonitrile-Coated Kapok Hollow Microtubes for Adsorption of Methyl Orange and Cu(II) Ions in Aqueous Solution, *J. Taiwan Inst. Chem. Eng.*, 78, 359–369.
- Aridi, A.S., Chin, N.L., Ishak, N.A., Nadiyah, N., Yusof, M., Kadota, K., Manaf, Y.N., dan Yusof, Y.A., 2021, Effect of Sodium Hypochlorite Concentration during Pre-treatment on Isolation of Nanocrystalline Cellulose from *Leucaena leucocephala* (Lam.) Mature Pods, *BioResources*, 16, 3137–3158.
- Badan Pusat Statistik, 2014, *Luas Areal Tanaman dan Produksi Perkebunan Rakyat Menurut Jenis Tanaman*, Badan Pusat Statistik, Jakarta.
- Badriyah, L. dan Putri, M.P., 2017, Kinetika Adsorpsi Cangkang Telur pada Zat Warna Metilen Biru, *ALCHEMY J. Chem.*, 5, 85–91.
- Baunsele, A.B. dan Missa, H., 2020, Kajian Kinetika Adsorpsi Metilen Biru Menggunakan Adsorben Sabut Kelapa, *Akta Kim. Indones.*, 5, 76–85.
- Bayer, R.J., Aquino, C.L.E., dan Balela, M.D.L., 2022, Synthesis of Poly(o-Anisidine)-Coated Kapok Fibers for Removal of Methylene Blue Dye, *Key Eng. Mater.*, 931, 117–124.
- Bhandari, P.N. dan Singhal, R.S., 2002, Studies on the Optimisation of Preparation of Succinate Derivatives from Corn and Amaranth Starches, *Carbohydr. Polym.*, 47, 277–283.
- Bhernama, B.G., Nurhayati, Saputra, S.A., dan Amalia, J., 2023, Karakterisasi Selulosa dan Selulosa Asetat dari Limbah Cangkang Biji Pala (*Myristica fragrans*) Aceh Selatan, *J. Ris. Kim.*, 14, 81–93.
- Chen, Q., Zhao, T., Wang, M., dan Wang, J., 2013, Studies of the Fibre Structure and Dyeing Properties of *Calotropis gigantea*, Kapok and Cotton Fibres, *Color. Technol.*, 129, 448–453.
- Chen, X., Hossain, M.F., Duan, C., Lu, J., Tsang, Y.F., Islam, M.S., dan Zhou, Y., 2022, Isotherm Models for Adsorption of Heavy Metals from Water - A Review, *Chemosphere*, 307, 1–14.

- Darni, Y., Sitorus, T.M., dan Hanif, M., 2014, Produksi Bioplastik dari Sorgum dan Selulosa secara Termoplastik, *J. Rekayasa Kim. Lingkung.*, 10, 55–62.
- Deng, L., Su, Y., Su, H., Wang, X., dan Zhu, X., 2006, Biosorption of Copper(II) and Lead(II) from Aqueous Solutions by Nonliving Green Algae *Cladophora fascicularis*: Equilibrium, Kinetics and Environmental Effects, *Adsorption*, 12, 267–277.
- Desta, M.B., 2013, Batch Sorption Experiments: Langmuir and Freundlich Isotherm Studies for the Adsorption of Textile Metal Ions onto Teff Straw (*Eragrostis tef*) Agricultural Waste, *Hindawi J. Thermodyn.*, 2013, 1–6.
- Dewi, S.H. dan Ridwan, D., 2012, Sintesis dan Karakterisasi Nanopartikel Fe₃O₄ Magnetik untuk Adsorpsi Kromium Heksavalen, *J. Sains Mater. Indones. J. Mater. Sci.*, 13, 1411–1098.
- Ding, Y., Wu, J., Wang, Jianqiang, Wang, Jiping, Ye, J., dan Liu, F., 2020, Superhydrophilic Carbonaceous-Silver Nanofibrous Membrane for Complex Oil/Water Separation and Removal of Heavy Metal Ions, Organic Dyes and Bacteria, *J. Memb. Sci.*, 614, 1–10.
- Duan, C., Zhao, N., Yu, X., Zhang, X., dan Xu, J., 2013, Chemically Modified Kapok Fiber for Fast Adsorption of Pb²⁺, Cd²⁺, Cu²⁺ from Aqueous Solution, *Cellulose*, 20, 849–860.
- Dwijayanti, U., Gunawan, Widodo, D., Haris, A., Suyati, L., dan Lusiana, R.A., 2020, Adsorpsi Methylene Blue (MB) Menggunakan Abu Layang Batubara Teraktivasi Larutan NaOH, *Anal. Environ. Chem.*, 5, 1–14.
- Eltaweil, A.S., Elgarhy, G.S., El-Subruiti, G.M., dan Omer, A.M., 2020, Carboxymethyl Cellulose/Carboxylated Graphene Oxide Composite Microbeads for Efficient Adsorption of Cationic Methylene Blue Dye, *Int. J. Biol. Macromol.*, 154, 307–318.
- Firdausa, F.K., Santoso, A.B., dan Handayani, W., 2017, Ekstraksi Xilan dari Limbah Ampas Singkong dan Pemanfaatannya sebagai Substrat Endo-B-1,4-D-Xilanase, *Berk. Sainstek*, 5, 50–53.
- Fransina, E.G. dan Tanasale, M.F.J.D.P., 2007, Studi Kinetika Adsorpsi Biru Metilena pada Kitin dan Kitosan, *J. Sains MIPA*, 13, 171–176.
- Güzel, F., Saygılı, H., Saygılı, G.A., dan Koyuncu, F., 2014, Decolorisation of Aqueous Crystal Violet Solution by a New Nanoporous Carbon: Equilibrium and Kinetic Approach, *J. Ind. Eng. Chem.*, 20, 3375–3386.
- Hamdaoui, O. dan Chiha, M., 2007, Removal of Methylene Blue from Aqueous Solutions by Wheat Bran, *Acta Chim. Slov.*, 54, 407–418.
- Hameed, B.H., 2009, Spent Tea Leaves: a New Non-Conventional and Low-Cost Adsorbent for Removal of Basic Dye from Aqueous Solutions, *J. Hazard. Mater.*, 161, 753–759.
- Hariyono, H. dan Martin, A., 2014, Rancang Bangun Sistem Pendingin Adsorpsi

- dengan Pasangan Karbon Aktif-Metanol sebagai Adsorben-Adsorbat, *J. Online Mhs. Fak. Tek. Univ. Riau*, 1, 1–15.
- Herrera, M.U., Futralan, C.M., Gapusan, R., dan Balela, M.D.L., 2018, Removal of Methyl Orange Dye and Copper(II) Ions from Aqueous Solution using Polyaniline-Coated Kapok (*Ceiba pentandra*) Fibers, *Water Sci. Technol.*, 78, 1137–1147.
- Hidayati, P., Ulfen, I., dan Juwono, H., 2016, Adsorpsi Zat Warna Remazol Brilliant Blue R Menggunakan *Nata de coco*: Optimasi Dosis Adsorben dan Waktu Kontak, *J. Sains dan Seni ITS*, 5, 2337–3520.
- Ho, Y.S. dan McKay, G., 1999, Pseudo-Second Order Model for Sorption Processes, *Process Biochem.*, 34, 451–465.
- Hokkanen, S., Bhatnagar, A., dan Sillanpää, M., 2016, A Review on Modification Methods to Cellulose-Based Adsorbents to Improve Adsorption Capacity, *Water Res.*, 91, 156–173.
- Holliday, M.C., Parsons, D.R., dan Zein, S.H., 2022, Agricultural Pea Waste as a Low-Cost Pollutant Biosorbent for Methylene Blue Removal: Adsorption Kinetics, Isotherm and Thermodynamic Studies, *Biomass Convers. Biorefinery*, 1–15.
- Indah, D.R., 2020, Adsorpsi Logam Tembaga (Cu) pada Karbon Baggase Teraktivasi Natrium Hidroksida (NaOH), *J. Ilm. IKIP Mataram*, 7, 20–28.
- Jawad, A.H., Ngoh, Y.S., dan Radzun, K.A., 2018, Utilization of Watermelon (*Citrullus lanatus*) Rinds as a Natural Low-Cost Biosorbent for Adsorption of Methylene Blue: Kinetic, Equilibrium and Thermodynamic Studies, *J. Taibah Univ. Sci.*, 12, 371–381.
- Kadir, S., Darmadji, P., Hidayat, C., dan Supriyadi, S., 2011, Kesetimbangan Adsorpsi Fenol dari Asap Cair Tempurung Kelapa Hibrida pada Arang Aktif, *Agritech*, 31, 30–35.
- Kassa, H.S., Jabasingh, S.A., Mohammed, S.A., Baek, S.Y., dan Park, S.Y., 2022, Extraction and Characterization of Cellulose Nanocrystals from Anchote (*Coccinia abyssinica*) Bagasse, *Macromol. Res.*, 30, 776–782.
- Khan, F. dan Ahmad, S.R., 1996, Chemical Modification and Spectroscopic Analysis of Jute Fibre, *Polym. Degrad. Stab.*, 52, 335–340.
- Khan, Idrees, Saeed, K., Zekker, I., Zhang, B., Hendi, A.H., Ahmad, A., Ahmad, S., Zada, N., Ahmad, H., Shah, L.A., Shah, T., dan Khan, Ibrahim, 2022, Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation, *Water*, 14, 1–30.
- Khomri, M. El, Messaoudi, N. El, Dbik, A., Bentahar, S., Fernine, Y., Bouich, A., Lacherai, A., dan Jada, A., 2022, Modification of Low-Cost Adsorbent Prepared from Agricultural Solid Waste for the Adsorption and Desorption of Cationic Dye, *Emergent Mater.*, 5, 1679–1688.

- Kusmiyati, K., Lystanto, P.A., dan Pratiwi, K., 2012, Pemanfaatan Karbon Aktif Arang Batubara (KAAB) untuk Menurunkan Kadar Ion Logam Berat Cu^{2+} dan Ag^+ pada Limbah Cair Industri, *Reaktor*, 14, 51–60.
- Lata, H., Garg, V.K., dan Gupta, R.K., 2007, Removal of a Basic Dye from Aqueous Solution by Adsorption using *Parthenium hysterophorus*: An Agricultural Waste, *Dye. Pigment.*, 74, 653–658.
- Li, L.H., Xiao, J., Liu, P., dan Yang, G.W., 2015, Super Adsorption Capability from Amorphousization of Metal Oxide Nanoparticles for Dye Removal, *Sci. Rep.*, 5, 1–6.
- Liu, C.F., Sun, R.C., Zhang, A.P., Ren, J.L., Wang, X.A., Qin, M.H., Chao, Z.N., dan Luo, W., 2007, Homogeneous Modification of Sugarcane Bagasse Cellulose with Succinic Anhydride using an Ionic Liquid as Reaction Medium, *Carbohydr. Res.*, 342, 919–926.
- Liu, Y., Wang, J., Zheng, Y., dan Wang, A., 2012, Adsorption of Methylene Blue by Kapok Fiber Treated by Sodium Chlorite Optimized with Response Surface Methodology, *Chem. Eng. J.*, 184, 248–255.
- Long, A., Zhao, P., Liao, L., Wang, R., Tao, J., Liao, J., Liao, X., dan Zhao, Y., 2022, Sustainable Kapok Fiber-Derived Carbon Microtube as Broadband Microwave Absorbing Material, *Materials (Basel)*, 15, 1–13.
- Mahmoodi, N.M., 2014, Binary Catalyst System Dye Degradation using Photocatalysis, *Fibers Polym.*, 15, 273–280.
- Minda, Sosidi, H., Sumarni, N.K., Ys., H., Ruslan, Inda, N.I., dan Mirzan, M., 2022, Penggunaan Karbon Aktif dari Tandan Kosong Kelapa Sawit Teraktivasi NaOH pada Penyerapan Ion Pb(II), *KOVALEN J. Ris. Kim.*, 8, 92–98.
- Miri, N.S.S. dan Narimo, 2022, Review: Kajian Persamaan Isoterm Langmuir dan Freundlich pada Adsorpsi Logam Berat Fe(II) dengan Zeolit dan Karbon Aktif dari Biomassa, *J. Kim. dan Rekayasa*, 2, 58–71.
- Momina, Mohammad, S., dan Suzylawati, I., 2020, Study of the Adsorption/Desorption of MB Dye Solution using Bentonite Adsorbent Coating, *J. Water Process Eng.*, 34, 1–10.
- Mondal, M.K. dan Garg, R., 2017, A Comprehensive Review on Removal of Arsenic using Activated Carbon Prepared from Easily Available Waste Materials, *Environ. Sci. Pollut. Res.*, 24, 13295–13306.
- Mosoarca, G., Popa, S., Vancea, C., Dan, M., dan Boran, S., 2022, Removal of Methylene Blue from Aqueous Solutions using a New Natural Lignocellulosic Adsorbent—Raspberry (*Rubus idaeus*) Leaves Powder, *Polymers (Basel)*, 14, 1–17.
- Nurdila, F.A., Asri, N.S., dan Suharyadi, E., 2015, Adsorpsi Logam Tembaga (Cu), Besi (Fe) dan Nikel (Ni) dalam Limbah Cair Buatan Menggunakan Nanopartikel Cobalt Ferrite (CoFe_2O_4), *J. Fis. Indones.*, 19, 23–27.

- Nurlaili, T., Kurniasari, L., dan Ratnani, R.D., 2017, Pemanfaatan Limbah Cangkang Telur Ayam sebagai Adsorben Zat Warna Methyl Orange dalam Larutan, *Inov. Tek. Kim.*, 2, 11–14.
- Omer, A.S., El Naeem, G.A., Abd-Elhamid, A.I., Farahat, O.O.M., El-Bardan, A.A., Soliman, H.M.A., dan Nayl, A.A., 2022, Adsorption of Crystal Violet and Methylene Blue Dyes using a Cellulose-Based Adsorbent from Sugarcane Bagasse: Characterization, Kinetic and Isotherm Studies, *J. Mater. Res. Technol.*, 19, 3241–3254.
- Pandey, D., Daverey, A., Dutta, K., Yata, V.K., dan Arunachalam, K., 2022, Valorization of Waste Pine Needle Biomass into Biosorbents for the Removal of Methylene Blue Dye from Water: Kinetics, Equilibrium and Thermodynamics Study, *Environ. Technol. Innov.*, 25, 1–12.
- Patel, H., 2021, Review on Solvent Desorption Study from Exhausted Adsorbent, *J. Saudi Chem. Soc.*, 25, 1–11.
- Pathania, D., Sharma, G., dan Thakur, R., 2015, Pectin @ Zirconium (IV) Silicophosphate Nanocomposite Ion Exchanger: Photo Catalysis, Heavy Metal Separation and Antibacterial Activity, *Chem. Eng. J.*, 267, 235–244.
- Pathania, D., Thakur, M., dan Mishra, A.K., 2017, Alginate-Zr (IV) Phosphate Nanocomposite Ion Exchanger: Binary Separation of Heavy Metals, Photocatalysis and Antimicrobial Activity, *J. Alloys Compd.*, 701, 153–162.
- Pinto, T.F., Bezerra, C.W.B., Silva, D.S.A., Da Silva Filho, E.C., Vieira, A.P., Airoidi, C., De Melo, J.C.P., Silva, H.A.S., dan Santana, S.A.A., 2016, Sawdust Derivative for Environmental Application: Chemistry, Functionalization and Removal of Textile Dye from Aqueous Solution, *An. Acad. Bras. Cienc.*, 88, 1211–1220.
- Pirbazari, A.E., Hashemian, S.F., dan Yousefi, A., 2015, Surfactant-Modified Wheat Straw: Preparation, Characterization and its Application for Methylene Blue Adsorption from Aqueous Solution, *J. Chem. Eng. Process Technol.*, 6, 1–9.
- Prabakaran, E., Pillay, K., dan Brink, H., 2022, Hydrothermal Synthesis of Magnetic-Biochar Nanocomposite Derived from Avocado Peel and Its Performance as an Adsorbent for the Removal of Methylene Blue from Wastewater, *Mater. Today Sustain.*, 18, 1–14.
- Prachayawarakorn, J., Chaiwatyothin, S., Mueangta, S., dan Hanchana, A., 2013, Effect of Jute and Kapok Fibers on Properties of Thermoplastic Cassava Starch Composites, *Mater. Des.*, 47, 309–315.
- Purnamawati, H. dan Utami, B., 2014, Pemanfaatan Limbah Kulit Buah Kakao (*Theobroma cocoa l.*) sebagai Adsorben Zat Warna Rhodamin B,. In, *Prosiding Seminar Nasional Fisika dan Pendidikan Fisika (SNFPF) Ke-5*. Surakarta.
- Qin, X., Zhou, J., Huang, A., Guan, J., Zhang, Q., Huang, Z., Hu, H., Zhang, Y.,

- Yang, M., Wu, J., Qin, Y., dan Feng, Z., 2016, A Green Technology for the Synthesis of Cellulose Succinate for Efficient Adsorption of Cd(II) and Pb(II) Ions, *RSC Adv.*, 6, 26817–26825.
- Riwayati, I., Fikriyyah, N., dan Suwardiyono, S., 2019, Adsorpsi Zat Warna Methylene Blue Menggunakan Abu Alang-Alang (*Imperata cylindrica*) Teraktivasi Asam Sulfat, *J. Inov. Tek. Kim.*, 4, 6–11.
- Rosanti, A.D., Kusumawati, Y., Hidayat, F., Fadlan, A., Wardani, A.R.K., dan Anggraeni, H.A., 2022, Adsorption of Methylene Blue and Methyl Orange from Aqueous Solution using Orange Peel and CTAB-Modified Orange Peel, *J. Turkish Chem. Soc. Sect. A Chem.*, 9, 237–246.
- 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, 32–40.
- Schwantes, D., Gonçalves, A.C., Coelho, G.F., Campagnolo, M.A., Dragunski, D.C., Tarley, C.R.T., Miola, A.J., dan Leismann, E.A.V., 2016, Chemical Modifications of Cassava Peel as Adsorbent Material for Metals Ions from Wastewater, *Hindawi J. Chem.*, 16, 1–15.
- Sehaqui, H., Kulasinski, K., Pfenninger, N., Zimmermann, T., dan Tingaut, P., 2017, Highly Carboxylated Cellulose Nanofibers via Succinic Anhydride Esterification of Wheat Fibers and Facile Mechanical Disintegration, *Biomacromolecules*, 18, 242–248.
- Shi, C., Tao, F., dan Cui, Y., 2018, Evaluation of Nitriloacetic Acid Modified Cellulose Film on Adsorption of Methylene Blue, *Int. J. Biol. Macromol.*, 114, 400–407.
- Da Silva, A.I.C., Paranha, G., Maia, L.S., dan Mulinari, D.R., 2022, Development of Activated Carbon from Pineapple Crown Wastes and Its Potential Use for Removal of Methylene Blue, *J. Nat. Fibers*, 19, 5211–5226.
- Siyamak, S., Ibrahim, N.A., Abdolmohammadi, S., Yunus, W.M.Z.B.W., dan Rahman, M.Z.A.B., 2012, Enhancement of Mechanical and Thermal Properties of Oil Palm Empty Fruit Bunch Fiber Poly(Butylene Adipate-CO-Terephthalate) Biocomposites by Matrix Esterification using Succinic Anhydride, *Molecules*, 17, 1969–1991.
- Sun, Z., Qu, K., Cheng, Y., You, Y., Huang, Z., Umar, A., Ibrahim, Y.S.A., Algadi, H., Castañeda, L., Colorado, H.A., dan Guo, Z., 2021, Corn-cob-Derived Activated Carbon for Efficiently Adsorption Dye in Sewage, *ES Food Agrofor.*, 4, 61–74.
- Tahad, A. dan Sanjaya, A.S., 2017, Isoterm Freundlich, Model Kinetika dan Penentuan Laju Reaksi Adsorpsi Besi dengan Arang Aktif dari Ampas Kopi, *J. Chemurg.*, 1, 13–21.
- Tseng, R.-L. dan Wu, F.-C., 2008, Inferring the Favorable Adsorption Level and

- the Concurrent multi-Stage Process with the Freundlich Constant, *J. Hazard. Mater.*, 155, 277–287.
- Uddin, M.K. dan Nasar, A., 2020, Walnut Shell Powder as a Low-Cost Adsorbent for Methylene Blue Dye: Isotherm, Kinetics, Thermodynamic, Desorption and Response Surface Methodology Examinations, *Sci. Rep.*, 10, 1–13.
- Umoren, S.A., Etim, U.J., dan Israel, A.U., 2013, Adsorption of Methylene Blue from Industrial Effluent using Poly (Vinyl Alcohol), *J. Mater. Environ. Sci.*, 4, 75–86.
- Wang, D., Kim, D., Shin, C.H., Zhao, Y., Park, J.S., dan Ryu, M., 2018, Removal of Lead(II) from Aqueous Stream by Hydrophilic Modified Kapok Fiber using the Fenton Reaction, *Environ. Earth Sci.*, 77, 1–10.
- Wang, R., Shin, C.H., Park, S., Park, J.S., Kim, D., Cui, L., dan Ryu, M., 2014, Removal of Lead(II) from Aqueous Stream by Chemically Enhanced Kapok Fiber Adsorption, *Environ. Earth Sci.*, 72, 5221–5227.
- Wang, R., Zhou, B., dan Wang, Z., 2019, Study on the Preparation and Application of Lignin-Derived Polycarboxylic Acids, *J. Chem.*, 2019, 1–8.
- Wang, Y. dan Zhou, M., 2008, Structure and Adsorptive Properties in Wastewater Treatment of Activated Carbon Fiber Based on Kapok., In, *2nd International Conference on Bioinformatics and Biomedical Engineering*. Sanghai.
- Wuryanti, D. dan Suharyadi, E., 2016, Studi Adsorpsi Logam Co(II), Cu(II), dan Ni(II) dalam Limbah Cair Buatan Menggunakan Adsorben Nanopartikel Magnetik Fe₃O₄ dan ZnFe₂O₄, *J. Fis. Indones.*, 20, 28–35.
- Xiao, B., Sun, X.F., dan Sun, R.C., 2001, The Chemical Modification of Lignins with Succinic Anhydride in Aqueous Systems, *Polym. Degrad. Stab.*, 71, 223–231.
- Xie, W., Shao, L., dan Liu, Y., 2010, Synthesis of Starch Esters in Ionic Liquids, *J. Appl. Polym. Sci.*, 116, 218–224.
- Yağmur, H.K. dan Kaya, İ., 2021, Synthesis and Characterization of Magnetic ZnCl₂-Activated Carbon Produced from Coconut Shell for the Adsorption of Methylene Blue, *J. Mol. Struct.*, 1232, 1–12.
- 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 TiO₂ Nanocomposite due to the Photosensitization Synergetic Effect of TiO₂ and P2ABSA, *RSC Adv.*, 7, 23699–23708.
- Yang, N., Shin, C.H., Kim, D., Park, J.S., Rao, P., dan Wang, R., 2020, Synthesis, Characterization, and Mercury Removal Application of Surface Modified Kapok Fibers with Dopamine (DA): Investigation of Bidentate Adsorption, *Environ. Earth Sci.*, 79, 1–8.
- Yu, L., 2009, *Biodegradable Polymer Blends and Composites from Renewable Resources*, John Wiley & Sons, Inc., New Jersey.

- Yustinah, Hudzaifah, Aprilia, M., dan Ab, S., 2020, Kesetimbangan Adsorpsi Logam Berat (Pb) dengan Adsorben Tanah Diatomit secara Batch, *J. Konversi*, 9, 17–28.
- Zhang, X., Duan, C., Jia, X., dan Dai, B., 2016, Carboxylation Kapok Fiber as a Low-Cost, Environmentally Friendly Adsorbent with Remarkably Enhanced Adsorption Capacity for Cationic Dyes, *Res. Chem. Intermed.*, 42, 5069–5085.
- Zheng, Y., Wang, J., dan Wang, A., 2021, Recent Advances in the Potential Applications of Hollow Kapok Fiber-Based Functional Material, *Cellulose*, 28, 5269–5292.
- Zheng, Y., Wang, W., Huang, D., dan Wang, A., 2012, Kapok Fiber Oriented-Polyaniline Nanofibers for Efficient Cr(VI) Removal, *Chem. Eng. J.*, 191, 154–161.
- Zhou, Y., Jin, Q., Hu, X., Zhang, Q., dan Ma, T., 2012, Heavy Metal Ions and Organic Dyes Removal from Water by Cellulose Modified with Maleic Anhydride, *J. Mater. Sci.*, 47, 5019–5029.
- Zou, W., Bai, H., Gao, S., dan Li, K., 2013, Characterization of Modified Sawdust, Kinetic and Equilibrium Study about Methylene Blue Adsorption in Batch Mode, *Korean J. Chem. Eng.*, 30, 111–122.