

DAFTAR PUSTAKA

- Aarthi, R., and Lalithambika, K. C., 2014, *Influence of chemical reactions over the formation of graphene oxide nanoparticles*, *Rasāyan J. Chem*, **7**(4), 340-342.
- Badan Pusat Statistik, 2018, *Produksi Perkebunan Besar Menurut Jenis Tanaman Indonesia*. <http://www.bps.go.id>, 04 April 2019
- Chen, C. H., Hu Shin., Shih, J. F., Yang, C. Y., Luo, Y. W., Jhang, R. H., Chao-Ming Chiang & Yung-Jr Hung., 2017, *Effective Synthesis of Highly Oxidized Graphene Oxide That Enables Wafer-scale Nanopatterning: Preformed Acidic Oxidizing Medium Approach*, *Scientific Reports*, **7**(1), 3908.
- DwiSaptati N.H dan Nurul F. Himma., 2018, *Perlakuan Fisiko-Kimia Limbah Cair Industri*, Penerbit UB Press, Malang, ISBN 978-6-024-32417-9, pp. 134
- Gardiner, D. J, 1989, *Practical Raman Spectroscopy*, ISBN 978-0-387-50254-0
- Gonzales, J. A., Bafico, J. G., Villanueva, M. E., Giorgieri, S. A., Copello, G. J., 2018 *Continous flow adsorption of ciproflaxin by using a nanostructured chitin/graphene oxide hybrid material*, *Carbohydrate Polymers*, **188**, 213-220
- Gultom, E.M., M. Turmuzi Lubis., 2014, *Aplikasi Karbon Aktif Dari Cangkang Kelapa Sawit Dengan Aktivator H_3PO_4 Untuk Penyerapan Logam Berat Cd Dan Pb*, *Jurnal Teknik Kimia USU*, **3**(1):510.
- Gupta, A. and Srivastava, C., 2018, *Optimum amount of graphene oxide for enhanced corrosion resistance by tin-graphene oxide composite coatings*, *Thin Solid Films*, **661**, 98-107
- Hilal Ahmad, *et al.*, 2018, *Seperation and preconcentration of Pb (II) and Cd (II) from aqueous samples using hyperbranched polyethyleneimine-functionalized graphene oxide-immobilized polystyrene spherical absorbents*. *Microchemical Journal*, pp. 1 - 32.
- Hencz, L., Chen, H., Ling, H.Y., 2019, *Housing Sulfur in Polymer Composite Frameworks for Li-S Batteries*. *Nano-Micro Lett.* **11**, 17.
- Huang, Y., Xiao, C. F., Huang, Q. L., Liu, H. L., Hao, J. Q., Song, L., 2017, *Magnetic field induced orderly arrangement of Fe_3O_4 /GO composite particles for preparation of Fe_3O_4 /GO/PVDF membrane*. *Journal of Membrane Science*, **548**, 184-1993.
- Istarani, F. dan Pandebesie, E. S., 2014, *Studi Dampak Arsen (As) dan Kadmium (Cd) terhadap Penurunan Kualitas Lingkungan*, *Jurnal Teknik POMITS*, Volume 3, pp. 53 - 57.

- Kang, G. and Cao, Y., 2014, *Application and modification of poly (vinylidene fluoride) (PVDF) membranes—A review*, Journal of Membran Science, **463**, 145-165
- Karimullah, R., Elvia, R. and Amir, H., 2018, *Penentuan Parameter Adsorpsi Silika Sintetik Kandungan Ammonium Pada Limbah Cair Tahu*, **2**(1)
- Li, N., Tian, Y., Zhao, J., Zhan, W., Du, J., Kong, L., Zhang, J., Zuo, W., 2018, *Ultrafast selective capture of phosphorus from sewage by 3D Fe₃O₄@ZnO via weak magnetic field enhanced adsorption*, Chemical Engineering Journal. **341**(73).
- Lienafa, L., Monge, S., Guillaneuf, Y., Ameduri, B., Siri, D., Gignes, D., Robin, J. J., 2018, *Preparation of PVDF-grafted-PS involving nitroxides*. European Polymer Journal, **109**, 55-63.
- Lv, J., Zhang, G., Zhang, H., Yang, F., 2018, *Graphene oxide-cellulose nanocrystal (GO-CNC) composite functionalized PVDF membrane with improved antifouling performance in MBR: Behavior and mechanism*, Chemical Engineering Journal, **352**, 765-773
- Maarof, H. I. Ajeel, M. A., Daud, W. M. A. W., Aroua, M. K., 2017, *Electrochemical Properties and Electrode Reversibility Studies of Palm Shell Activated Carbon for Heavy Metal Removal*, Electrochimica Acta, **246**, 96-103
- Maryono., Sudding., Rahmawati, 2013., *Pembuatan dan Analisis Mutu Briket Arang Tempurung Kelapa Ditinjau dari Kadar Kanji*, Universitas Negeri Makassar, **14**(1)
- Mas'udah, K. W., Astuti, F., Darminto., 2016, *Study On Physical Properties of Reduced Graphene Oxide from Heating Coconut Shell*. Journal of Physical Science and Engineering, **1**, 1-6
- Mishra, A. and Mohanty, T., 2016, *Structural and morphological study of magnetic Fe₃O₄ / reduced graphene oxide nanocomposites*, **3**(6), 1576-1581
- Mondal, S. K. and Saha, P., 2018, *Chemical Engineering Research and Design*. Institution of Chemical Engineers, **129**, 1-418
- Mohagheghian, A., Ayagh, K., Godini, K., Siboni, M. S., 2018, *Photocatalytic reduction of Cr (VI) from synthetic, real drinking waters and electroplating wastewater by synthesized amino-functionalized Fe₃O₄ – WO₃ nanoparticles by visible light*, Journal of Industrial and Engineering Chemistry, The Korean Society of Industrial and Engineering Chemistry, **80**, 23-32

- O. D. Jayakumar, et al., 2015. *Fabrication of flexible and self-standing inorganic-organic three phase magneto-dielectric PVDF based multiferroic nanocomposite films through a small loading of graphene oxide (GO) and Fe₃O₄ nanoparticles*. *Journal of The Royal Society of Chemistry*, **44**.15872
- Othman, D., Rahman, M. A. and Fauzi, A., 2019, *Adsorptive Membranes for Heavy Metals Removal From Water, Membrane Separation Principles and Applications, Chapter 12*.
- Pamidimukkala, P. S. and Soni, H., 2018, *Efficient removal of organic pollutants with activated carbon derived from palm shell: Spectroscopic characterisation and experimental optimisation*, *Journal of Environmental Chemical Engineering*, **6**(2).
- Peraturan Menteri Lingkungan Hidup Nomor 5, 2015, *Baku Mutu Air Limbah*, <http://menlhk.go.id>, 20 Januari 2020
- Rahimi, Z., Zinatizadeh, A. A. L. and Zinadini, S., 2016, Milk processing wastewater treatment in a bioreactor followed by an antifouling O-carboxymethyl chitosan modified Fe₃O₄/PVDF ultrafiltration membrane, *Journal of Industrial and Engineering Chemistry*, **38**, 103-122
- Rampe, M. J. Tiwow, V. A. Rampe, H. L., 2013, *Potency of Charcoal from Pyrolysis of Coconut Shell's as Carbon*. *Journal of Material Source*, **2**,191-197
- Rizzo, C. Andrews, J. L. Steed, J. W., D'Anna, F., 2019, *Carbohydrate-Supramolecular Gels: Adsorbents for Chromium(VI) Removal from Wastewater*, *Journal of Colloid And Interface Science*.
- Samadi, A., Hosseini, S. M., Mohseni, M., 2018, *Inverstigation of the electromagnetic microwaves absorption and piezelectric properties of electrospun Fe₃O₄-GO/PVDF hybrid nanocomposites*, **59**, 149-155.
- Setianingsih, dkk., 2018, *Prinsip Dasar dan Aplikasi Metode Difraksi Sinar-X untuk Karakterisasi Material*, Universitas Brawijaya Press, Malang
- Singh, M., Ulbrich, P., Prokopec, V., Svoboda, P., Santava, E., Stepanek, F., 2013, *Vapour Phase Approach for Iron Oxide Nanoparticle Synthesis from Solid Precursor*, *Journal of Solid State Chemistry*, **200**, 150-156
- Song, S., Zheng, Z., Bi, Y., Lv, X., Sun, S., 2018, *Improving the Electroactive Phase, Thermal and Dielectric Properties of PVDF/Graphene oxide Composites by Using Methyl Methacrylate-co-glycidyl Methacrylate Copolymers as Compatibilizer*. *Journal of Composites*, **54**(5), 38323846
- Skoog, D, Holler, F.J., Nieman, T.A., 1992, *Principle of Instrumental Analysis, 5nd Edition*, Holt Sounders International Edition, Japan, 223-225

- Surbakti, A. and Taer, E, 2016, *Komposit Karbon Aktif dari Bahan Serbuk Gergaji Kayu Karet dan Nanomagnetik Fe_3O_4 + PVDF Sebagai Bahan Penyerap Limbah Cair Berbasis Logam Berat*, Universitas Riau Kampus Kampus Bina Widya Panam, Pekanbaru, **3**(1).
- Trisurnaryati, Wega., 2018, *Material Katalis dan Karakternya*. UGM Press. Yogyakarta, ISBN 978-979-420-949-3, **208**
- W.S. Hummers Jr., R.E. Offeman., 1958, *Preparation of Graphitic Oxide*, J. Am. Chem. Soc, **80**, 1339
- Wuhrer R and Moran K., 2018, *A new life for the wavelength-dispersive X-ray spectrometer (WDS): incorporation of a silicon drift detector into the WDS for improved quantification and X-ray mapping*. Journal of Material Sains and Enggining. **304**. 012021
- Xue, Xiaoqin, *et al.*, 2015, *Synthesis of graphene oxide nanosheets for the removal of Cd (II) ions from acidic aqueous solutions*. Journal of The Taiwan Institute of Chemical Engineers, **59**, pp. 1 - 8.
- Zhang, L. Liu, X., Li, J., McKechnie, S., 2018, *Interactions between molecules and perovskites in halide perovskite solar cells*, Solar Energy Materials and Solar Cells, **175**, 1-19