



## DAFTAR PUSTAKA

- Abbas, M. dan Trari, M., 2015, Kinetic, Equilibrium and Thermodynamic Study on the Removal of Congo Red from Aqueous Solutions by Adsorption onto Apricot Stone, *Process Saf. Environ. Prot.*, 98, 424-436.
- Arizaga, G.G.C., Satyanarayana, K.G. dan Wypych, F., 2007, Layered hydroxide salts: Synthesis, properties and potential applications, *Solid State Ionics*, 178, 1143–1162.
- Atkins, P.W. dan de Paula, J., 2010, *Physical Chemistry*, edisi 9, W.H. Freeman and Company, New York.
- Ballesteros, M.A., Ulibarri, M.A., Rives, V. dan Barriga, C., 2008, Optimum Condition for Intercalation of Lacunary Tungstophosphate (V) Anions into Layered Ni(II)-Zn(II) Hydroxyacetate, *J. Solid State Chem.*, 181, 3086-3094.
- Beekaroo, D. dan Mudhoo, A., 2011, *Adsorption of Reactive Red158 Dye by Chemically Treated Cocos nucifera L. Shell Powder*, Springer, London.
- Bu, R., Chen, F., Li, J., Li, W. dan Yang, F., 2016, Adsorption Capability for Anionic Dyes on 2-Hydroxyethylammoniumacetate-intercalated Layered Double Hydroxide, *Colloids Surf., A: Physicochem. Eng. Aspects*, 511, 312–319.
- Chaari, I., Fekib, M., Medhioubc, M., Bouzidd, J., Fakhfakha, E. dan Jamoussia, F., 2009, Adsorption of a Textile Dye “Indanthrene Blue RS (C.I. Vat Blue 4)” from Aqueous Solutions onto Smectite-rich Clayey Rock, *J. Hazard. Mater.*, 172, 1623–1628.
- Christie, R.M., 2007, *Environmental Aspect of Textile Dyeing*, CRC Press, Boca Raton, USA.
- Cursino, A.C.T., Rives, V., Arizaga, G.G.C., Trujillano, R. dan Wypych, F., 2015, Rare Earth and Zinc Layered Hydroxide Salts Intercalated with the 2-Aminobenzoate Anion as Organic Luminescent Sensitizer, *Mater. Res. Bull.*, 70, 336–342.
- de Oliveira, H.B. dan Wypych, F., 2016, Evaluation of Layered Zinc Hydroxide Nitrate and Zinc/Nickel Double Hydroxide Salts in the Removal of Chromate Ions from Solutions, *J. Solid State Chem.*, 243, 136–145.
- Demel, J., Pleštil, J., Bezdic`ka, P., Janda, P., Klementova, M., dan Lang, K., 2011, Layered Zinc Hydroxide Salts: Delamination, Preferred Orientation of Hydroxidelamellae, and Formation of ZnO Nanodiscs, *J. Colloid Interface Sci.*, 360, 532-539.



- Gupta, V.K., dan Suhas, 2009, Application of Low-Cost Adsorbents for Dye Removal- A review, *J. Environ. Manage.*, 90, 2313-2342.
- Gürses dkk., A. (2016). Gürses, A., Açıkıldız, M., Güneş, K. dan Gürses, M.S., 2016, *Dyes and Pigments*, Springer, New York.
- Hara, T., Ishikawa, M., Sawada, J., Ichikuni, N. dan Shimazu, S., 2009, Creation of Highly Stable Monomeric Pd(II) Species in an Anion-Exchangeable Hydroxy Double Salt Interlayer: Application to Aerobic Alcohol Oxidation under an Air Atmosphere, *Green Chem.*, 11, 2034-2040.
- Ho, Y.S. dan McKay, G., 1999, Pseudo-Second Order Model for Sorption Processes, *Process Biochem.*, 34, 451-465.
- Ho, Y.S. dan McKay, G., 2000, The Kinetics of Sorption of Divalent Metal Ions onto Sphagnum Moss Peat, *Water Res.*, 34(3), 735-742.
- Ho, Y.S., 2006, Review of Second-Order Models for Adsorption Systems, *J. Hazard. Mater.*, B136, 681-689.
- Hussein, M.Z., Ghotbi, Y.M., Yahaya, A.H. dan Abd-Rahman, M.A., 2009, Synthesis and Characterization of (Zinc-Layered Gallate) Nanohybrid using Structural Memory Effect, *Mater.. Chem. Phys.*, 113, 491-496.
- Ikhsani, I.Y., Santosa, S.J. dan Rusdiarso, B., 2016, Comparative Study of Ni-Zn LHS and Mg-Al LDH Adsorbents of Navy Blue and Yellow F3G Dye, *Indones. J. Chem.*, 16(1), 36-44.
- Ikhsani, I.Y., 2014, Studi Komparasi Ni-Zn LHS dan Mg-Al LDH sebagai Adsorben Zat Warna Navy Blue dan Yellow F3G, *Tesis*, FMIPA, UGM, Yogyakarta.
- Ismadji, S., Soetaredjo, F.E. dan Ayucitra, A., 2015, *Clay Materials for Environmental Remediation*, Springer, Heidelberg.
- Kealey, D., dan Haines, P.J., 2002, *Instant Notes, Analytical Chemistry*, BIOS Scientific Publishers Limited, Oxford.
- Knapp, J.S. dan Newby, P.S., 1995, The Microbiological Decolorization of an Industrial Effluent Containing a Diazo-linked Chromophore, *Water Res.*, 7, 1807-1809.
- Laksono, S., 2012, Pengolahan Biologis Limbah Batik dengan Media Biofilter, *Skripsi*, Fakultas Teknik, UI, Depok.
- Ling, F., Fang, L., Lu, Y., Gao, J., Wu, F., Zhou, M., dan Hu, B., 2016, A Novel CoFe Layered Double Hydroxides Adsorbent: High Adsorption Amount



for Methyl Orange Dye and Fast Removal of Cr(VI), *Microporous Mesoporous Mater.*, 234, 230-238.

Mahmudin, A., 2016, Degradasi Zat Warna Indigosol Violet pada Limbah Cair Batik secara Elektrokimia menggunakan Elektroda Grafit, *Skripsi*, FMIPA, UGM, Yogyakarta.

Mattioli, D., Malpei F., Bortone, G. dan Rozzi, A., 2002, *Water Minimization and Reuse in Textile Industry. Water Recycling and Resource Recovery in Industry : Analysis, Technologies and Implementation*, IWA Publishing, Cornwall.

Robinson, T., McMullan, G., Marchant, R. dan Nigam, P., 2001, Remediation of Dyes in Textile Effluent: A Critical Review on Current Treatment Technologies with a Proposed Alternative, *Bioresour. Technol.*, 77, 247-255.

Rojas, R., Ulibarri, M.A., Barriga, C. dan Rives, V., 2010, Chromate Intercalation in Ni-Zn Layered Hydroxide Salts, *Appl. Clay Sci.*, 49, 176-181.

Sharma, B.K., 1991, *Industrial Chemistry Including Chemical Engineering*, GOEL Publishing House, Meerut.

Singhal, A., 2011, *The Pearson Guide to Physical Chemistry for the AIPMT*, Dorling Kindersley, New Delhi.

Sugiharto, S., 1987, *Dasar-Dasar Pengelolaan Air Limbah*, Universitas Indonesia, Jakarta.

Suparno, S., 2010, Degradasi Zat Warna Indigosol dengan Metode Oksidasi Katalitik Menggunakan Zeolit Alam Teraktivasi Dan Ozonasi, *Tesis*, FMIPA, UI, Depok.

Tabak, A., Eren, E., Afsin, B. dan Caglar, B., 2009, Determination of Adsorptive Properties of a Turkish Sepiolite for Removal of Reactive Blue 15 Anionic Dye from Aqueous Solutions, *J. Hazard. Mater.*, 161, 1087-1094.

Taibi, M., Jouini, N., Rabu, P. dan Ammard, S., 2014, Lamellar Nickel Hydroxy-Halides: Anionic Exchange Synthesis, Structural Characterization and Magnetic Behaviour, *J. Mater. Chem.*, 2, 4449-4460.

Thomas, N., 2012, Mechanochemical Synthesis of Layered Hydroxy Salts, *Mater. Res. Bull.*, 47, 3568-3572.

Vijayakumar, G., Tamilarasan, R. dan Dharmendirakumar, M., 2012, Adsorption, Kinetic, Equilibrium and Thermodynamic Studies on the Removal of Basic Dye Rhodamine-B from Aqueous Solution by the Use of Natural Adsorbent Perlite, *J. Mater. Environ. Sci.*, 3(1), 157-170.



Yamanaka, S., Ando, K. dan Ohashi, M., 1995, New Anion Exchangeable Layered Mixed Basic Salt,  $\text{Ni}_{1-x}\text{Zn}_{2x}(\text{OAc})_{2x}(\text{OH})_2 \cdot n\text{H}_2\text{O}$ , *Mat. Res. Soc. Symp. Proc.*, 371, 131-142. .