

DAFTAR PUSTAKA

- Amaliah, N. 2017. *Penyehatan Makanan dan Minuman*. Deepublish. Yogyakarta.
- Amaria. 2012. *Adsorpsi Ion Sianida dalam Larutan menggunakan Adsorben Hibrida Aminopropil Silika Gel dari Sekam Padi Terimpregnasi Aluminium*. *Jurnal Manusia dan Lingkungan* 19(1) : 56 – 65.
- Anonim. 2006. *MSDS Lead Nitrat*. [https://www.ch.ntu.edu.tw/~genchem99/msds/exp10/Pb\(NO3\)2.pdf](https://www.ch.ntu.edu.tw/~genchem99/msds/exp10/Pb(NO3)2.pdf) Diakses 9 april 2018.
- Asip, F., Mardhiah,R., dan Husna. 2008. *Uji Efektifitas Cangkang Telur dalam Mengadsorbsin Ion Fe dengan Proses Batch*. *Jurnal Teknik Kimia* 15(2) : 22-26.
- Brass, G.M. and W. Strauss. 1981. *Air Pollution Control*. John Willey & Sons. New York.
- Darmono. 2001. *Lingkungan Hidup dan Pencemaran Hubungannya dengan Toksikologi Senyawa Logam*. Universitas Indonesia Press . Jakarta.
- Dewa, I. G. D., Made N. W., dan Gusti, I. L. W. 2014. *Isoterm Adsorpsi Cu²⁺ oleh Biomassa Rumput Laut*. *Journal Kimia Visvitalis* 2(1) : 1 – 10.
- Effendi, H. 2003. *Telaah Kualitas Air Bagi Pengolahan Sumber Daya dan Lingkungan Perairan*. Kanisius. Yogyakarta.
- Fardiaz, S., 1992. *Mikrobiologi Pangan I*. Gramedia Pustaka Utama, Jakarta.
- Hidayati P., Ulfan I., dan Juwono H. 2016. *Adsorpsi Zat Warna Removal Brilliant Blue R Menggunakan Nata de Coco: Optimasi Dosis Adsorben dan Waktu Kontak*. *Jurnal Sain dan Seni ITS* 5(2) 2337-2520.
- Holmberg, J. P. 2006. *Competitive Adsorption and Displacement Behaviour of Heavy Metals on Peat*. Division of Water Environment Technology, Chalmers University of Technology. Göteborg: Sweden.
- Issabayeva, G., Aroua, M.K., and Sulaiman N.M.N. 2005. *Removal of Lead from Aqueous Solutions on Palm Shell Activated Carbon*. *Bioresource Technology* 97 : 2350–2355.

- Jadav, J. N., Maind , S. D., and Bhalera S. A. 2015. *Use Of Terminalia Catappa L. Leaves For Effective Removal Of Chromium (Vi) From Aqueous Solutions*. International Journal of Current Research in Chemistry and Pharmaceutical Sciences 2(4) : 48–62.
- Jiang. H., Tingqiang L., Xuan H., Xiaoe Y and Zhenli H. 2012. *Effects of pH and low molecular weight organic acids on competitive adsorption and desorption of cadmium and lead in paddy soils*. Environ Monit Assess 184 : 6325–6335.
- Ju, O and Ibe, U. 2014. *Adsorption Studies of Heavy Metals by Low-Cost Adsorbents*. Journal Application Enviromental Management 18 (3) : 443-448.
- Kwon, J. S., Yun, S. T., Lee, J.H., Kim, S. O and Jo, H.Y. 2010. *Removal of Divalent Heavy Metals (Cd, Cu, Pb, and Zn) and Arsenic (III) from Aqueous Solutions Using Scoria : Kinetics and Equilibria of Sorption*. Journal of Hazardous Materials 174 : 307-313.
- Lestari,S. 2010. *Pengaruh Berat dan Waktu Kontak untuk Adsorpsi Timbal(II) Oleh Adsorben dari Kulit Batang Jambu Biji (Psidium Guajava L.)*. Jurnal Kimia Mulawarman. 8(1) : 1693-5616.
- Malik, P. K. 2002. *Use of Activated Carbons Prepared From Sawdust and Rice-Husk for Adsorption of Acid Dyes*. Dyes and Pigments 56(3) : 239-249
- Manohar, D. M., NoeHne, B. F. and Anirudhan. T. S. 2006. *Adsorption Performance Of A l-pillared Bentonite Clay for The Removal of Cobalt(II) from Aqueous Phase*. Applied Clay Science 31: 194-206.
- Metcalf and Eddy. 2014. *Waste Engineering : Treatment and Resource Recovery 5th edition*. New York: Mc Graw-Hill.
- Montgomery, J.M. 1985. *Water Treatment Principles and Design*. John Wiley & Sons Inc., New York.
- Mulyawan, R., Saefumillah, A., dan Foliatini. 2015. *Biosorpsi Timbal oleh Biomassa Daun Ketapang*. Molekul 10 (1) : 45 – 56.
- Nwabanne, J. T., and Igbokwe P. K. 2008. *Kinetics and Equilibrium Modeling of Nickel Adsorption by Cassava Peel*. Journal of Engineering and Applied Sciences 3(11) : 829- 834.

- Ozcan, A. S., Edem, B., and Ozcon, A. 2005. *Adsorption of Acid Blue 193 From Aqueous Solution onto BTMA-Bentonite*. Colloid Surface. A : Phycocem Eng. Aspects 266 : 73-81.
- Palar, H. 2004. *Pencemaran dan Toksikologi logam Berat*. Penerbit : PT. Rineka Cipta, Jakarta.
- Parker, S.P. 1993. *Encyclopedia of Chemistry, Second Edition*. New York: McGraw-Hill Book Company.
- Puanggam, M and Unob, F. 2008. *Preparation and Use of Chemically Modified MCM-41 and Silica Gel as Selective Adsorbent for Hg (II) Ions*. Journal Hazard Mater 154 : 578-587.
- Purwakusumah, D. E., Rafi, M., Syafitri, D.U., Nucholis W., dan Adzkiya, M. A. Z. 2014. *Identifikasi dan Autentikasi Jahe Merah Menggunakan Kombinasi Spektroskopi Ftir dan Kemometrik*. Agritech 34 (1) : 82-87.
- Purwani. I. K dan Riskitavani. V. D. 2013. *Studi Potensi Bioherbisida Ekstrak Daun Ketapang (Terminalia catappa L.) terhadap Gulma Rumput Teki (Cyperus rotundus)*. Jurnal Sains Dan Seni Pomits 2(2): 2337-3520.
- Pusparini, A D., Setiani, O., dan Hanani, D Y. 2016. *Hubungan Masa Kerja Dan Lama Kerja Dengan Kadar Timbal (Pb) Dalam Darah Pada Bagian Pengecatan, Industri Karoseri Semarang*. Jurnal Kesehatan Masyarakat 4(3) : 758-766.
- Rakesh, N., King, P., and R, Suresh. 2012. *Kinetics and Equilibrium Studies on Biosorption of Zinc onto Terminalia catappa Leaf Powder*. International Journal of Research in Chemistry and Environment 2(4) : 107-114.
- Reynolds, T.D., and Paul A.R.1995. *Unit Operations And Processes In Environmental Engineering*. PWS Publishing Company: Boston.
- Rochyatun, E., dan Rozak,A. 2007. *Pemantauan Kadar Logam Berat Dalam Sedimen Di Perairan Teluk Jakarta*. 11(1): 28-36.
- Ruthven, D. M. 1984. *Principle of Adsorption and Adsorption Process*. John Wiley and Sons, New York.
- Saragih, S.A. 2008. *Pembuatan dan Karakterisasi Karbon Aktif dari Batubara Riau sebagai Adsorben*. Tesis.Jakarta: Program Pascasarjana, Universitas Indonesia.

- Setiadi, T. J ., Kusmaya, M., dan Halim, M. B. 2003. *Adsorpsi Kadmium (II) dan Kromium (III) dalam Air oleh Limbah Lumpur Aktif*. Reaktor 7(2) : 77-83.
- Siswoyo, E., Endo, N., Mihara, Y., and Tanaka, S. 2014. *Agar-encapsulated Adsorbent Based on Leaf of Platanus sp. to Adsorb Cadmium Ion in Water*. Water Science & Technology. 70(1): 89-94.
- Sudarmaji., Mukono, J., and Corie I.P. 2006. *Toksikologi Logam Berat B3 dan Dampaknya terhadap Kesehatan*. Jurnal Kesehatan Lingkungan 2(2) : 129 -142.
- Sun, S., Chen, J., Zhou, Q., Lu, G. and Chan, K. 2010. *Application of Mid-Infrared Spectroscopy in the Quality Control of Traditional Chinese Medicines*. Planta Medica 76: 1987-1996.
- Volesky B. 2003. *Sorption and biosorption*. BV-Sorbex, Inc. St. Lambert, Quebec, Canada.
- Winarno, FG, dan Laksmi, BS. 1974. *Dasar Pengawetan, Sanitasi dan Keracunan*. Bogor: Departemen Teknologi Hasil Pertanian Fakultas Teknologi dan Mekanisasi Pertanian, Institut Pertanian Bogor.
- Yuan, L., and Liu, Y. 2013. *Removal of Pb (II) and Zn (II) from Aqueous Solution by Ceramisite Prepared by Sintering Bentonite, Iron Powder and Activated Carbon*. Chemical Engineering Journal. 215-216 : 432-439.
- Zor, S. 2004. *Investigation Of the Adsorption of Anionic Surfactants at Different Ph Values by Means of Active Carbon and the Kinetics of Adsorption*. Serbian Chemical Society. 69(1) : 25–32.