

## DAFTAR PUSTAKA

- Ahluwalia, S. And D. Goyal., 2007, Microbial and Plant Derived Biomass for Removal of Heavy Metals from Waste Water, *Bioresour Technol* 98, 2243-2257.
- Rahman, A., Kandungan Logam Berat Timbal (Pb) dan Kadmium (Cd) pada Beberapa Jenis Krustasea di Pantai Batakan dan Takisung Kabupaten Tanah Laut Kalimantan Selatan, 2006, *Bioscientiae* 3, 93-101.
- Buasri, A., N. Chaiyut, K. Tapang, S. Jaroensin, S. Panphrom, 2012, Biosorption of Heavy Metals from Aqueous Solutions Using Water Hyacinth as a Low Cost Biosorbent, *Civil and Environmental Research* 2, 17 – 25.
- Dada, A. O., A. P. Olalekan, A. M. Olatunya, O. Dada, 2012, Langmuir, Freundlich, Temkin and Dubinin–Radushkevich Isotherms Studies of Equilibrium Sorption of  $Zn^{2+}$  Unto Phosphoric Acid Modified Rice Husk, *Journal of Applied Chemistry* 3, 39-45
- Das, N., R. Vimala, dan P. Karthika, 2008, Biosorption of Heavy Metals-An Overview, *Indian Journal of Bio.* 7, 159-169.
- Horvathova, H., J. Kadukova, M. Stofko, 2009, Biosorption of  $Cu^{2+}$  and  $Zn^{2+}$  by Immobilized Algae Biomass of *Chlorella Kessleri*, *Acta Metallurgica Slovaca* 15, 255-263.
- Ishak, M. R., S. M. Sapuan, Z. Leman, M. Z. A. Rahman, U. M. K. Anwar, 2012, Characterization of sugar palm (*Arenga pinnata*) fibres. *J. Therm Anal. Calorim.* 109, 981-989.
- Jamil, N., M. A. Munawar, S. Badar, S. T. Muntaha, 2009, Biosorption of Hg(II) and Cd(II) from Waste Water by using Zea Mays Waste, *J. Chem. Soc. Pak.* 31, 362-369.
- Kolusinski, K.W., 2000, *Surface Science*. Jhon Willey Sons, England.
- Kula I., M. Ugurlu, H. Karaoglu, A. Celik, 2008, Adsorption of Cd(II) Ions from Aqueous Solutions Using Activated Carbon Prepared from Olive Stone by  $ZnCl_2$  Activation. *Bioresource Technol.* 99, 492-501.
- Kwiatkowska, S., M. Wójcik, and L. Kopiński, 2011, Determination of the Effective Diffusivity of Cadmium(II) in Calcium Alginate Beads, *Ars Separatoria acta* 8, 11-23.

- Lagoa, R., J. R. Rodrigues, 2007, Evaluation of Dry Protonated Calcium Alginate Beads for Biosorption Applications and studies of Lead Uptake, *Appl Biochem Biotechnol* 142, 115-128.
- Li Y., B. Xia1, Q. Zhao, F. Liu, P. Zhang, Q. Du, D. Wang, D. Li, Z. Wang, Y. Xia, 2011, Removal of copper ions from aqueous solution by calcium alginate immobilized kaolin, *J. of Environ. Sci.* 23, 404 – 411.
- Ling, Y., M. Thirumavalavan, and J. Fwu, 2010, Effective Adsorption of Heavy Metal Ions ( $Cu^{2+}$ ,  $Pb^{2+}$ ,  $Zn^{2+}$ ) from Aqueous Solution by Immobilization of Adsorbents on Ca-alginate Beads, *Toxicological & Environmental Chemistry* 92, 697–705.
- Ming, L. U., L. Yun, H. Xin, B. Yue, Z. Xiao, L. Ting, W. Hui, 2013, Competitive Adsorption of Cu(II) and Pb(II) Ions from Aqueous Solutions by Ca-alginate Immobilized Activated Carbon and *Saccharomyces cerevisiae*, *J. Cent. South Univ.* 20, 2478–2488.
- Nazaruddin, N., D. Arrisujaya, Hidayat, R. Zein., E. Munaf., and Jiye J., 2014, Batch Method for the Removal of Toxic Metal from Water Using Sugar Palm Fruit (*Arenga pinnata* Merr) Shell, *J. of Pharmaceutical, Biological and Chemical Sciences* 5, 1619-1629.
- Owolabi, O. B., O. U. Oputu, K. O. Adebowale, O. Ogunsolu, and O. O. Olujimi, 2012, Biosorption Of  $Cd^{2+}$  and  $Pb^{2+}$  Ions Onto Mango Stone and Cocoa Pod Waste: Kinetic and Equilibrium Studies, *Scientific Research and Essays* 7 : 1614-1629.
- Peng, Q., Y. Liu, G. Zeng, W. Xu, C. Yang, J. Zhang, 2010, Biosorption of Copper (II) by Immobilizing *Saccharomyces Cerevisiae* on The Surfaceof Chitosan-Coated Magnetic Nanoparticles from Aqueous Solution, *J. Hazard. Mater.* 177, 676–682.
- Papageorgiou, S. K., F. K. Katsaros, E. P. Kouvelos, N. K. Kanellopoulos, 2009, Prediction of Binary Adsorption Isotherms of  $Cu^{2+}$ ,  $Cd^{2+}$  and  $Pb^{2+}$  on Calcium Alginate Beads from Single Adsorption Data. *J Hazard Mater* 162, 1347–1354.
- Valdman, E., L. Erijman, F.L.P. Pessoa, S.G.F. Leite, 2001, Continuous Biosorption of Cu and Zn by Immobilized Waste biomass *Sargassum* sp., *Process Biochemistry* 36, 869–873.
- Wang, J. L., Y. J. Han, and Y. Qian, 2000, Progess in Metal biosorption by Microorganisms, *Microbiology* 27, 449-452.

Wu, J., H. Q. Yu, 2006, Biosorption of 2,4-Dichlorophenol by Immobilized White Rot Fungus *Phanerochaete Chrysosporium* from Aqueous Solutions, *Bioresource Tech.*

Zein, R., R. Suhaili, F. Earnestly, Indrawati, and E. Munaf, 2010, Removal of Pb(II), Cd(II), and Co(II) from Aqueous Solution Using *Garcinia mangostana* L. Fruit shell, *Hazardous Material* 181, 52-56.

