

## DAFTAR PUSTAKA

1. Khasanah, E.N: Adsorpsi logam berat. UPT Loka Konservasi Biota Laut, *LIPI Bitung*. 2009, (4): 1-7
2. R. Indah, Adsorpsi Logam Berat Timbal Dan Kadmium Pada Limbah Batik Menggunakan Cangkang langkitang Pulpa Kopi Terxanthasi, *Prociding SNAST*, 2014, 16(2)
3. Amer, M.W, Fawwas I. Khalili and Akl M. Awwad: Adsorption of lead, zinc and cadmium ions on polyphosphate-modified kaoliniten clay. *Journal of Environmental Chemistry and Ecotoxicology* 2010, 2(1):001-008
4. XiaoJun Zuoa, R. Balasubramanian, DaFang Fua, He Li. Biosorption of copper, zinc and cadmium using sodium hydroxide immersed *Cymbopogon schoenanthus* L, Spreng (lemon grass), *Ecological Engineering*, 2012. 186-189
5. Melcakova, H. Horvathova, Study of Biomassa of Reynoutria Janponica as a Novel Biosorbent for Removal of Metals from Aqueous Solutions, *GeoScience Engineering*, 56 55-70
6. Tanasal, A. M, Biosorpsi Ion Logam Cd(II) Oleh Kulit Buah Naga(*Hylocereus Polyrhizus*). 2014. 2(14)
7. Aung, W. L., Hilaing, N., Aye, K. N. Biosorption of Pb(II) ions by modified quebrachotannin resin. *J Hazard Mater*. 2009, 163 : 58-64
8. Munaf, E. Takeuchi, T. Monitoring of university effluents, in: T. Korenaga, et al. (Eds.), *Hazardouz Waste Control in Research and Education*, Lewis Publisher, USA, 1994
9. Adeniji. Bioremediation of Arsenic, Chromium, Lead, and Mercury. Washington, DC: National Network of Environmental Management Studies Fellow. 2004
10. Duygu, D., Baykal, T., Acikgoz, I., Yildiz, K., Fourier Transform Infrared (FT-IR) Spectroscopy for Biological Studies (Review), 2009, 3, 22:117-121
11. B. Stuart, *Infrared Spectroscopy: Fundamentals and Application*, in, *Analytical Techniques in the Sciences*, 2004
12. M. Ndana, J.J. Grace, F.H. Baba, U.M. Mohammed, Fourier Transform Infrared Spectrophotometric Analysis of Functional Groups in Biodiesel Produced from Oils of *Ricinus communis*, *Hevea brasiliensis* and *Jatropha curcas* Seeds, *International Journal of Science*, 2013, 2, 1116-1121
13. Caroline, Jenny. Guido Arron Moa,. Fitoremediasi Logam Timbal (Pb) Menggunakan Tanaman Melati Air (*Ehcinodorus palaefolius*) Pada Limbah Industri Peleburan Tembaga dan Kuningan. ISBN 978-602-98569-1-0. 2015 2(12)
14. Yutsever, Meral, Sengil, I. Biosorption of Pb(II) ions by modified quebacho tanning resin. *Journal of Hazardouz material*. 2009. 156:58-64.
15. Elmer, Parkin. *Analytical Methods for Atomic Absorption Spectroscopy*. 1996
16. Refilda, E. Munaf, R. Zein, Deswati, dan E. Kayora.. The Use of Salak husk for removal iron, cadmium, zinc, copper from wastewater. *J. Kimia Andalas*. 2000, 6: 49-63
17. C.J. Creswell, O.A. Runquist, M.M. Campbell, *Analisis Spektrum Senyawa Organik*, 3 ed., Penerbit ITB, Bandung, 2005
18. Munagapati, V. S., Yarramuthi, V., Nadavala, S. K., Alla, S. R., Abburi, K., Biosorption of Cu(II), Cd(II) and Pb(II) by *Acacia leucocephala* bark powder:

- Kinetics, equilibrium and thermodynamics, *Chem. Eng. J.*, 2010, 157: 357-365
19. R. Zein, R. Suhaili, F. Earnestly, Indrawati, E. Munaf: Removal of Pb(II), Cd(II), and Co(II) from aqueous solution using *garcinia mangostana* L. fruit shell. *Journal of Hazardous Material* 2010, (181):52-56
20. Chairgulprasert, V, A. Japakeya, and H. Samaae: Phytoremediation of synthetic wastewater by adsorption of lead and zinc onto *Alpinia galanga* Wild, Songklanar in *J. Sci. Technol* 2013, 1(3):90-95
21. D. Harvey, *Modern Analytical Chemistry*, McGraw-Hill, North America, 1956
22. Wiyarsi Antuni, Priyambodo Erfsn, Pengaruh Konsentrasi Kitosan dari Cangkang Udang terhadap Efisiensi Penjerap Logam Berat, *Jurnal Pendidikan Kimia FMIPA, UNY*. 2012, 252, 14-15
23. Hossain Asif, Aditya Gautam, Cadmium Biosorption Potential of Shell Dust of The Fresh Water Invasive Snail *Physa Acuta*, *Journal of Environmental Chemical Engineering* 1, 2013, 574-580
24. Qiong Wu, Jie Chen, Malcolm Clark, Yan Yu, Adsorption of copper to different biogenic oyster shell structures, *Applied Surface Science*, 2014, 311, 264-272
25. A. Hosain, G. Aditya, Cadmium biosorption potential of shell dust of the fresh water invasive snail *Physa acuta*, *Journal of Environmental Chemical Engineering*, 2013, 1, 574-580
26. Wan Ngah, W.S, Hanafiah M.A.K.M, Biosorption of Copper Ions from Dilute Aqueous Solutions on Base Treated rubber (*Hevea brasiliensis*) Leaves Powder: Kinetics, Isotherm and Biosorption Mechanism. *J. Environ. Sci*, 2008, 20(10), 1108-1176
27. M. Hajar, Biosorption of Cadmium from Aqueous Solution using Dead Biomass of Brown Alga *Sargassum* sp, *Chemical Engineering*, 2009, 17(1)

