

## **ABSTRACT**

### **STUDY OF HEAVY METALS DISTRIBUTION LEAD (Pb) AND COBALT (Co) IN COASTAL SEDIMENTS OF WAY KUALA BANDAR LAMPUNG**

**By**

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Heavy metals distribution study was done for Pb and Co in Coastal sediment of Way Kuala Bandar Lampung. Pb and Co concentrations were determined by Atomic Absorption Spectrophotometer (AAS). The results of analysis showed concentrations of Pb are at the range 9,895 0,873 ppm up to 1,168 13,856 ppm. The concentrations of Co are at the range 8.241 1.517 ppm to 9.861 0.487 ppm. The value of the concentrations of Pb and Co are obtained in the research is still under the standard value of the raw quality of heavy metals in sediments that have been set by The Ontario Ministry Of The Environment. The validation method on determination of Pb and Co levels in sediments show precision with a value of  $RSD < 5\%$  and the value of the correlation coefficient of Pb and Co respectively are 0,998 and 0,990.

Keyword: distribution of heavy metals, Co, Pb, The Coastal of Way Kuala Bandar Lampung