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Analysis of Lead Heavy Metal has to do with water quality Around the Tallo River Estuary in Makassar Indonesia

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Abstract : This research aims to identify of heavy metal content of lead relation to water quality Around the Tallo River Estuary in Makassar. The research was conducted in May-June 2018 with 3 observation stations. Taking samples of water, fish and sediment implemented for the measurement of lead metal. Measurement of water parameters done in the place of observation (pH, temperature, dissolved oxygen, and salinity). All data obtained were analyzed descriptively.

The results showed that heavy metal content of lead around the Tallo River Estuary show that lead content in fish the sample is already on the threshold because it has exceeded 0.008 ppm but the sample water is still below the threshold that is below 0.05 as required by Minister of Environment of The Republic of Indonesia No.51 /MenKLH/2004. The content of lead in sediment is still relatively high. The quality of sea water in the observation location is still relatively good, except oxygen is rather low and nitrite is rather high.

Keywords : Lead, Water quality, Estuary, Tallo.

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