

ABSTRACT

Endang Sutiah Nim 451 407 071 “Analisis Kandungan Merkuri (Hg) di Sungai Bone Kecamatan Kabila Kabupaten Bone Bolango”. S 1 study program Geography Physic Department FMIPA Gorontalo State University. This research aims to know mercury contents (Hg) in Bone river with indicator of mercury contents in the water and basic sediment. The method of this research is descriptive in which technique of taking the sample is *Purposive Sampling* and laboratory analysis. The soiled degree of mercury (Hg) in the location of this research is still under standard degree of quality like it is determined. For standard of water quality seen according to Government Rule (Peraturan Pemerintah) No 82 Tahun 2001, where mercury contents can not be more than 0.001 ppm. To view mercury influence toward sediment, it is used *European Safety Standard*, safe limit point of mercury concentration in sediment is 2 ppm. From four points of sample it is gotten eight sample which is already tested, it is four sample of basic sediment and four sample of water therefore for sediment point 1 with value of 0,0003 ppm, point 2 with the value of 0,0003 ppm, point 3 with the value of 0,0004 ppm, and point 4 with the value of 0,0004 ppm while for water point 1 with the value of 0,0004 ppm, point 2 0,0005 ppm, point 3 0,0005 ppm and point 4 0,0006 ppm. According to the analysis, both water and basic sediment of Bone River is still categorized as safe because its mercury contents is still under standard degree.

Keyword: Mercury contents, Bone River