ABSTRACT

JHON ANTONY RIANDI PURBA. The Level Pollution of Heavy Metals in the Region Sylvofishery Embankment Waters Blanakan, Subang, West Java. Under direction of KADARWAN SOEWARDI and SIGID HARIYADI

The results of this research show that the concentration of heavy metals from samples Blanakan waters is heavy metals cadmium (Cd) with a concentration range from 0.18 to 0.48 g/L, copper (Cu) concentrations ranged from 0.51-2.89 g/L, and lead (Pb) concentration range from 0.42-4.84 g/l. Highest concentrations of metals Cd are present in the area Estuary Ciasem, highest concentrations metals Cu are present in the region of the mouth of the Gangga, and highest concentrations metals Pb are present in the area embankment D. Based on the results of this research known that the concentration of heavy metals in Blanakan still lower if compared to the value of quality raw KepMen LH No. 51 in 2004. The value of the concentration of heavy metals Cd, Cu, Pb and research results is still lower if compared to the results of research done before in the same areas on water samples 2000. Research on heavy metals, Cu, Cd and Pb was done on the biota of fish and shrimp in the area and the same time as compared to the concentrations of heavy metals in these research results, also still lower, where the metal concentration in water samples of water 100 times lower than concentrations in biota. Therefore needed to do standard water processing dikes by the manufacture tandon to reducing the concentration a heavy metal who enters into an embankment the cultivation of at the time of the uptake of water dikes.

Keywords: level pollution, heavy metals, sylvofishery, embankment.