# USE OF PASTA MORINGA SEEDS *(Moringa oleifera)* TO IMPROVEMENTS THE QUALITY OF WATER CONTAMINATED MERCURY (Hg)

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## ABSTRACT

This research was conducted in natural silk Reeling Agribusiness and Bioscience Laboratories Polytechnic of Jember for 4 months starting in September 2013 until January 2014. The purpose of this research was to determine the effect of moringa seed paste as an agent water quality improvement are contaminated with mercury (Hg) and see if the water treated feasible moringa seed paste used in accordance with the Class III water quality standards. The method used descriptive quantitative to combine the relationship between the variables involved, then interpreted based on theory and related literature. In treatment A (1000 mg / L), B (1250 mg / L), C (1500 mg / L), and D (1750 mg / L) increased DO, pH and BOD decrease. Based on biological factors as supporting data on treatment A and B gills and eyes are still experiencing the effects of metal toxicity while on treatment C gills gills look like normal but still eye damage, the treatment D gills and eyes are not damaged.

Keywords: water quality, moringa seed paste

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