# ABSTRACT

## ADSORPTION OF METAL OF LEAD (Pb) USING KEPOK BANANA PEEL (*Musa paradisiaca* L.) ACTIVATED HNO3 WITH VARIATIONS OF INITIAL CONCENTRATION OF METAL LEAD (Pb)

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Heavy metal pollution in the aquatic environment is of great concern to scientists because of the increased load, and other detrimental effects of these heavy metals. The adsorption of lead metal by using kepok banana peel is one way to reduce heavy metal pollution in water. Therefore, this study aims to determine the initial concentration of metal required to adsorb heavy metal Lead (Pb) using the adsorbent of Kepok banana peel (*Musa paradisiaca* L.) which has been activated with $HNO_3$. The research was conducted by varying the metals 30, 40, 50, 60, and 70. The highest metal adsorption capacity of Pb was 6.6523 mg/g at an initial metal concentration of 70 ppm and it can be said that the initial concentration of Pb metal used, the higher the capacity the resulting adsorption.

Keywords: Adsorption, Kepok Banana Peel, Lead, Initial Concentration of Solution Metal.