

PEMANFAATAN SERBUK KAYU KELAPA (*Cocos nucifera*) UNTUK
MENURUNKAN KADAR LOGAM BERAT Cd²⁺ DALAM LARUTAN
ANDARU WANA PERKASA

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ABSTRACT

Presence of cadmium in the aquatic systems had become a serious problem because it has a harmful effect on human. New technology is needed to remove cadmium from contaminated water. cadmium can be detected by Atomic Absorption Spectrophotometer (AAS) method. The removal of cadmium ions from aqueous solution using *Cocos nucifera* powder as the adsorbent was reported in this paper. The aim of the research was to find the optimal of mixing time and concentration adsorbent for removal of Cadmium ions. The result optimum condition was found at mixing time 120 minutes and concentration adsorbent 2 % b/v.

Keywords : Cadmium, Adsorption, AAS, *Cocos nucifera*