

USE OF PASTE MORINGA SEED (*Moringa oleifera*) TO REDUCE LEVEL SURFACTANT IN WATER CONTAMINATED DETERGENT WASTE

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ABSTRACT

The aims of this experiment is to determine the effect of moringa seed paste (*Moringa oleifera*) as a coagulant agent to reduce levels of surfactants in detergents sewage contaminated water. The experimental disign with a completely randomized design (CRD) that P1= moringa seed paste (50 ppm), P2= moringa seed paste (100 ppm), P3= moringa seed paste (150 ppm), P4= moringa seed paste (200 ppm) and in doing it on 3 times. The results showed that the use of Moringa seed paste can significantly reduce levels of surfactants in detergents sewage contaminated water . The higher concentration of moringa seed paste (*Moringa oleifera*) then surfactant levels will be lower. Concentration of 200 ppm moringa seed paste is the most effective concentration to reduce levels of surfactants that show the results surfactant levels 0.9847 ppm. Based on physical factors , chemical and biological as supporting data on the toxicity of treatment do not experience the effect

Keyword: Moringa Seed Paste (Moringa oleifera), Surfactants