THE EFFECT OF CINAMON JUICE (*Cinnamomum burmanii*) ON MILKFISH (*Chanos chanos*) TOTAL BAKTERIAL

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ABSTRACT

The aim of this research was to know the anti bacterial effect of cinnamon juice (*Cinnamomum burmanii)* on the total of bacterial colonies in milkfish from fishpond Kalang Anyar, Sidoharjo as the parameter. The milkfish sample were divided into 100 pieces and each sample was 5 grams. The research method was completely randomized design by using four concentration of cinnamon juice 0%, 5%, 10%. And 20% and four storage time 0 hours, 6 hours, 12 hours, 24 hours. The obtained data then were analyzed by KRUSKAL WALLIS and MANN WHITNEY. The results showed that the ratio hour and the concentration of cinnamon juice showed a significant at 6 hours with a concentration of 10%. Based on those result, it could be concluded that cinnamon juice affecting in decreasing total of bacterial colonies.

Keywords : cinnamon juice, total bacterial, milkfish