OBSERVATION ON INHIBITION ZONE OF ESSENTIAL OILS BASED FROM GARLIC (*Allium sativum*) AND CLOVE (*Eugenia aromaticum*) AS ANTIBACTERIAL *Staphylococcus aureus* IN VITRO

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ABSTRACT

The aim of this study was to observed clear zone as inhibition process against bacteria around disc using Kirby – Bauer disk diffusion method. The research was used essential oils based from garlic (*Allium sativum*) and clove (*Eugenia aromaticum*) as antibacteria against *Staphylococcus aureus* which isolated from milk. Essential oil from garlic and clove was obtained by distillation process. Whatman no. 1 paper disc was used with the 5µl essential oils from garlic and clove also 20µg ampicillin sulbactam disc which used for compare control. All of the disc were put on MHA medium that *Staphylococcus aureus* been planted, those incubated at 37 °C for 24 hours.

The result shows that as in vitro, essential oils from garlic and clove can inhibit *Staphylococcus aureus*.

*Keyword*: garlic, clove, essential oils, *Staphylococcus aureus*, *in vitro*