

***TEST OF OINTMENT FROM RED GINGER EXTRACT (*Zingiber officinale*
var. rubrum) TO BACTERIA *Staphylococcus aureus* POTENTIAL***

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ABSTRACT

*Red ginger contains gingerol, essential oils and oleoresin which can be used as antibacterial, based on previous research antibacterial content of red ginger can prevent the growth of *Staphylococcus aureus* bacteria, this bacteria can cause various infections such as furuncle disease. This research aims to test the ointment from red ginger as a furuncle medicine. The ointment was tested as in vitro against *Staphylococcus aureus* through diffusion disc method, there are 3 treatments, red ginger ointment, ointment base as negative control, and tetracycline as positive control, with repetition as much as 8 times. The results showed the inhibition zone from red ginger ointment had 0.801 cm. Based on data analysis using ANOVA One-way known that the data is significant, which means red ginger ointment can inhibits the growth of *Staphylococcus aureus*. The ointment is evaluated by pH test, homogeneity test and organoleptic test. The pH test results showed that the ointment had pH 5, the homogeneity test showed that the ointment base and the active substance were evenly mixed (homogeneous) and organoleptic results show acceptance and high preferences, 75% of the 27 panelists said liked the red ginger ointment products.*

Keywords: *Ointment With Natural Substance, Red Ginger Extract, Furuncle, *Staphylococcus aureus**