

ABSTRACT

Pomalingo, Stela Maris. 2012. The Inhibitory Testing of methanol extract leaf of soursop (*Annona muricata*) to *Staphylococcus aureus* bacteria. Skripsi, Departemen of Pharmacy, Faculty of Health Sciences and Sports, Gorontalo State University. Supervising I Hamsidar Hasan, S.Si., M.Si., Apt. Supervising II Moh. Adam Mustapa, S.Si., M.Sc.

The problem in this research is whether the methanol extract of soursop leaf has the power of inhibition to *Staphylococcus aureus* bacteria. The aims of this research to determine whether is presences or absence soursop leaf methanol extract to *Staphylococcus aureus* bacteria. The research is a quantitative descriptive research conducted at the Laboratory of Microbiologi, Departemen of public Health Sciences and Sports, Gorontalo State University. The inhibitory testing was conducted to used disc diffusion method with a concentration of 5%, 15%, 25%, 35% dan 45%. The result showed that methanol extract of soursop leaf has power of inhibition to *Staphylococcus aureus* bacteria marked by clear zona formed on the test media. Soursop leaf methanol extract showed growth inhibition responses that weak at a concentration of 25%, 35%, and 45%. with the diameter of the light zone is 10,5 mm, 14,5 mm, and 14,75 mm.

Conclusion : Extract, Soursop Leaf, Methanol, Inhibition testing, *Staphylococcus aureus*