

**ANTIBACTERIAL POTENCY OF *Sapindus rarak DC*
EXTRACT TO *Staphylococcus aureus*
BACTERIA IN VITRO**

Mohammad Sofyan Syahroni

ABSTRACT

The purpose of this research was to found the antibacterial potency of *Sapindus rarak DC* extract to *Staphylococcus aureus* according to the clear zone around sumuran based on diffusion method. This research used complete randomized design factorial. P-as the negative control which was given CMC-Na1%, P+1 which was given Chlorhexidine Gluconate and P+2 given with Betadine, P1 which was given *Sapindus rarak DC* extract 5 gr and CMC-Na 1% solution 20 ml (25%) ,P2 which was given *Sapindus rarak DC* extract 10 gr and CMC-Na1% solution 20 ml (50%), P3 which was given *Sapindus rarak DC* extract 15 gr and CMC-Na 1% solution 20 ml (75%), P4 which was given *Sapindus rarak DC* extract 20 grand CMC-Na 1% solution 20 ml (100%). The result showed that the average diameter of clear zone on P-; P+1; P+2; P1; P2; P3; and P4 respectively were 5,00; 25,40;13,60;14,00;15,20; 16,0 ;17,20. Based on the research result,it could be concluded that *Sapindus rarak DC* extract has antibacterial potency to *Staphylococcus aureus*. Minimum concentration of *Sapindus rarak DC* extract which has antibacterial potency to *Staphylococcus aureus* was 25%.

Keywords: *Sapindus rarak DC*, *Staphylococcus aureus*, Chlorhexidine Gluconate, Betadine, Clear zone