AMPICILLIN AND DOXYCYCLIN ANTIBIOTIC SUSCEPTIBILITY TEST OF *Staphylococcus aureus* ISOLATED FROM DOG NASAL SWAB AT ANIMAL HOSPITAL OF VETERINARY MEDICINE AIRLANGGA UNIVERSITY

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ABSTRACT

The purpose of this study was to find out the antibiotic susceptibility of *Staphylococcus aureus* isolated from dog nasal swab in Animal Hospital of Airlangga University. The antibiotic discs were used for susceptibility test were Ampicillin 10µ and Doxycyclin 30µ according to Kirby Bauer method. Ten isolates of *S. aureus* from 10 dogs nasal swab had been identified by microscopic, Gram staining and biochemical characteristics. The antibiotic susceptibility pattern of *Staphylococcus aureus* isolates showed the differentiation between one and another. Which 83,3 % isolates were sensitive to Ampicillin, 16,6 % isolates were resistance to Ampicillin, 83,3 % isolates were sensitive to Doxycyclin and 16,6 % isolates were intermediate to Doxycyclin.

**Keywords:** Antibiotic susceptibility test, *Staphylococcus aureus*, dog, Ampicillin, Doxycyclin