

ANTIBIOTIC SUSCEPTIBILITY OF *Staphylococcus aureus* BACTERIA ISOLATED FROM EAR SWAB AFFECTED DOGS OTITIS EXTERNA

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ABSTRACT

In this study, aims to determine antibiotic susceptibility of *Staphylococcus aureus* bacteria isolated from ear swabs affected dogs otitis externa. This study were obtained 7 positive *Staphylococcus aureus* isolates from 30 samples consisting of 40 isolates were found which has the characteristic round shape, gram-positive, not encapsulated and the structure clustered like grapes. Identification of *Staphylococcus aureus* bacteria based on the fermentation of MSA, Gram staining, catalase test, coagulase test and VP test. Antibiotic susceptibility test *Ampicillin*, *Ciprofloxacin*, *Gentamicin*, *Amoxycilin*, *Chloramphenicol* and *Rifampicin* performed in vitro using *Kirby-Bauer method*. The results showed that the bacteria *Staphylococcus aureus* isolates positive catalase test, positive coagulase test and positive VP test. The susceptibility of *Staphylococcus aureus* isolates to the antibiotic *Gentamicin* that is 100%. Other antibiotics that have a level of sensitivity that is *Ampicillin* and *Chloramphenicol* (71.43%), while *Ciprofloxacin*, *Amoxycillin* and *Rifampicin* (85.71%).

Key words: *Staphylococcus aureus*, otitis externa, susceptibility test