

ISOLASI DAN IDENTIFIKASI STAPHYLOCOCCUS KOAGULASE POSITIF DARI LUKA PADA KULIT ANJING DI SURABAYA

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Coagulase-positive Staphylococcus, CPS, *Staphylococcus aureus*,

Staphylococcus intermedius, coagulase test, ferment mannitol

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ABSTRACT

The purpose of this study was to isolate and identify coagulase-positive Staphylococcus from dog skin and prove the existence of coagulase-positive Staphylococcus that do not utilize mannitol which were suspected as *Staphylococcus intermedius*. Previous studies have shown that *Staphylococcus intermedius* which was a CPS can be isolated from dogs with pyoderma. This research was an exploratory study using non-probability purposive sampling types. Samples taken from 5 dogs with the criteria have a festering wound on the skin. Swab samples of pus were cultured in MSA and observed the colony that grew which ferment mannitol and that did not ferment mannitol. Furthermore, coagulase test was done to identify CPS. Four samples of bacteria that ferment mannitol, two samples showed excellent results of coagulation and suspected as *Staphylococcus aureus*. Five samples of bacteria that did not ferment mannitol, one sample showed perfect results of coagulation and 1 sample given almost perfect results, which were suspected as *Staphylococcus intermedius*.

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