

ABSTRACT

***Staphylococcus intermedius* ISOLATION AND IDENTIFICATION OF THE DOG HAIR LENGTH OF PATIENTS DERMATITIS AND EFFECTIVENESS OXYTETRACYCLINE**

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Staphylococcus intermedius is the main infection agent of dog dermatitis. There is less information about the role of *S. intermedius* in dog skin disease in Indonesia. The aim of this study were to isolated and identify *S. intermedius* from long-haired dogs dermatitis. In this study, 29 skin swabs have been taken from long-haired dogs dermatitis in Yogyakarta. The *S. intermedius* were identified with the conventional methods consist of culturing, Gram staining, biochemical and sugar testing. Furthermore, isolates tested sensitivity of Oxytetracycline using disc diffusion method. In this study, 13 sampels grew on mannitol salt agar, Gram + with round cells, coagulated the rabbit plasma, fermented lactose, maltose and mannitol, but showed negative result on Voges Proskauer test. In the sensitivity test to oxytetracycline showed that 6 isolates grew with 16 mm diameter, 1 isolate 21 mm and 6 isolate with more than 22 mm in *Muller Hinton agar*. In conclusion, 45% of long-haired dog dermatitis in Yogyakarta could be isolated and identified as *Staphylococcus intermedius* and 46,1% of isolates *S. intermedius* sensitive to oxytetracycline.

Keywords: *Staphylococcus intermedius*, dermatitis, long-haired dogs, Oxytetracycline.