

ANTIBACTERIAL POTENCY OF GUAVA LEAF EXTRACT (*Psidium guajava* Linn) AND EFFECT ON THE PERFORMANCE OF BROILER CHICKEN INFECTED BY *Salmonella pullorum*.

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ABSTRACT

This study aims to determine the effect of guava leaf extract on performance of broiler in *Salmonella pullorum* infection. The experiment was conducted at animal laboratory Veterinary medicine of Airlangga University. A total of 30 broiler chicks strain CP 707, were randomly divided into 6 groups of five chicks each in separate cages. Group P0(-) was not infected by *Salmonella pullorum* and untreated. Group P0(+) was infected by *Salmonella pullorum* and untreated. Groups P1, P2, and P3 was infected by *Salmonella pullorum* and treated by extract at a dose of 50, 100, and 200 mg/kg respectively for 7 days. Group P4 was infected by *Salmonella pullorum* and treated by tetracycline HCl. Chicks from all groups were closely monitored for clinical sign and performance. The results showed that guava leaf extract did not have an effect on the performance of infected chickens *Salmonella pullorum*. In cloaca swabs, no *Salmonella pullorum* were found in the treatment group treated with guava leaf extract. In conclusion dose 50 mg/kg BB leaf extract there is no *Salmonella pullorum* bacteria in cloaca swabs.

Keyword : *Psidium guajava* Linn, *Salmonella pullorum*, Performance, Broiler