

**RESPONSE OF ANTIBODIES FORMED AS RESULT OF *Brucella suis*
BACTERIA INFECTION IN MICE (*Mus musculus*) WITH
COMPLEMENT FIXATION TEST (CFT)**

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ABSTRACT

Brucellosis, a bacterial zoonosis, is a disease caused by the genus *Brucella*. Brucellosis of swine is a disease caused by *Brucella suis*. The aim of this research was to examine the response of antibodies formed by the local *Brucella suis* bacteria infection isolate from Karanganyar, Central Java with *Complement Fixation Test* (CFT). This research used mice (*Mus musculus*) as the experimental animals. Mice (*Mus musculus*) was infected by local isolate *Brucella suis* bacteria and then the blood was taken start from week-4 to week-8 used *Complement Fixation Test* (CFT). The results of *Complement Fixation Test* (CFT) showed that *Brucella suis* local isolates from Karanganyar pig farm stated were negative. *Complement Fixation Test* conducted at the Research Institute of Bogor (BBPV Bogor). In order *Brucella suis* bacteria has a high pathogenicity several experiment animals death up to 8 weeks post-infection *Brucella suis* bacteria, so antibodies not formed.

Key words : *Brucella suis*, CFT, Local isolate.