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

*COMPLEMENT FIXATION TEST* (CFT)

Balqis Karimah

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 Karanganyarpig farmstated 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 deathsup to8 weekspost-infection *Brucella suis* bacteria, so antibodies not formed.

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