

ABSTRACT

The purpose this research was isolated and identified *Brucella suis* as causative agent abortion of swine used microbiologically then will be continues to the second year for *Brucella suis* antisera production as rapid diagnostic material in the endemic area East Java. The research method used screening tests with Rose Bengal Test (RBT) and bacteriologically. Bacteriological test was performed by streaking in the brucella media agar then continued with biochemis test : H₂S, Urease and cytrate. Twenty four samples such as fetal, blood and amnion fluid from abortion of swine. Ten samples was taken in Kediri, seven samples in Malang, seven samples in Probolinggo and no sample was taken from Blitar. RBT results showed 2 positive, 5 dubious and 17 negative. Bacteriological test results showed 1 positive *Brucella suis*

Key words: *Brucella suis*, abortion of swine, antisera production as rapid diagnostic material

