

**The Effect of *Brucella abortus* strain RB51 Vaccine on Mice (*Mus Musculus*)  
Infected with Local Isolates of *Brucella suis* on Histopathologic Features of  
Hepatic Mice (*Mus Musculus*)**

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**ABSTRACT**

This study was designed to researching at changes in histopathologic images of hepatic mice that had been vaccinated against *Brucella abortus* strain RB51 and infected by *Brucella suis*. This study used a sample of 18 males (*Mus Musculus*) males aged 8 weeks and divided into 3 treatment groups, P0 +, P0-, and P then to assess the degree of liver damage as a result of treatment performed on hepatic scores using modification method Knodell (2007 ) who got the presentation of the scoring result from each treatment. The results of this study were the *Brucella abortus* strain RB51 vaccine did not decrease the number of hepatic necrosis cells of mice (*Mus musculus*) that had been infected by *Brucella suis*. And *Brucella abortus strain* RB51 vaccine does not decrease the occurrence of hepatic fibrosis of mice (*Mus musculus*) that have been infected by *Brucella suis*.

**Keywords : Brucellosis, Swine, Vaccine RB51, Hepar, Histopathological**