

**Detection of Antibodies *Brucella* in dairy cows in the District Purwoharjo
Banyuwangi with the method of *Rose Bengal Test* (RBT)**

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ABSTRACT

The purpose of this study was to detect the presence of antibodies of the bacteria *Brucella* in dairy cows in the District Purwoharjo Banyuwangi using the *Rose Bengal Test* (RBT). The method used in this research was descriptive analysis method with quantitative approach, was a method that describes the presence of *Brucella* antibodies in dairy cows quickly. Supporting information obtained from the survey of farmers using interviews. Sample was determined by the formula slovin with a sample size of 75 samples from 294 cows in the dairy cow population of the District Purwoharjo. The results show 2 samples considered positive Brucellosis from 75. The results of this study can be concluded that the reactor *Brucella* found in dairy cattle in the district of Banyuwangi Purwoharjo that can potentially cause disease Brucellosis. Expectations from this study was the data obtained can be re-tested and further testing in future studies so that results can be confirmed.

Keywords: Brucellosis, Dairy Cattle, Rose Bengal Test, Banyuwangi