

***The Level Biosecurity Application of Layer Farm in Sumberjambe District,  
Jember Regency***

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***ABSTRACT***

*The purpose of this study was to determine the level of biosecurity application and its effect on the productivity of laying hens in Sumberjambe District, Jember Regency. This research was a descriptive quantitative study with correlation with direct observation of the level of biosecurity application and interviews with breeders. The sampling technique was done by purposive sampling on 10 breeders with a population above 1.000 heads. The data collection procedure uses survey methods and questionnaires to provide an overview of the answers given by respondents. The data analysis technique used quantitative descriptive analysis based on percentages to determine the level of biosecurity application, multiple linear regression to determine its effect and correlation to determine the relationship between the level of application of biosecurity and the productivity of laying hens. The results showed that the level of application of biosecurity in Sumberjambe District, Jember Regency was still low (below 60%). It can be seen from the survey results that only 55.7% have applied it. The results of chicken productivity which include mortality, hen day and FCR are not in accordance with the recommended maintenance standards. This indicates that the chickens being kept are less productive. There was no relationship between the level of biosecurity application and the productivity of laying hens.*

***Key Words:*** Layer chicken, Biosecurity, Disease Control.