

## ABSTRACT

Missing value is one of the problems frequently encountered in the data. Missing value is the loss of information or value on a particular variable in the data. Missing values can eliminate large amounts of information on the data that led to decrease the accuracy and quality of data as it is processed. One way to handle missing values is to fill in missing values with a value or called imputation. In this thesis, the imputation method used is Support Vector Machines Imputation (SVMI). Impuasi system performance parameters tested melalui Normalized Root Mean Square Error (MRNSE). In addition, the performance of imputation is tested against the classification process through parameters Precision, Recall, and F-Measure. Based on test results, SVMI can predict the value of the missing value approach to determining the value sebenarnya SVMI appropriate parameters.

**Keywords:** *missing value*, imputation, *Support Vector Machines Imputation (SVMI)*.