

ABSTRACT

Prediction is the process of estimating a thing systematically to find out the final results that are most likely to occur in the future based on past and present information that is owned, so as to reduce the difference in results that have occurred from the estimated results. Through this prediction system is often used by someone as a way to get accurate estimates, in determining the estimation results that require appropriate data and information so that the estimated results obtained will be maximal. In a criminal case, various things have been done to overcome the problem of crime, one of which is predicting the level of crime that will occur in the Final Project Book. By using the Moving Average method on a website basis.

Moving Average is used as a prediction method by collecting data obtained from past crime cases, then the method looks for the average value as a prediction for the coming period. In the prediction, the mapping of crime at the Bandung Police Headquarters level will produce predictions and implement it into a website for mapping the distribution of crime at the Bandung Police Headquarters level. Based on the results obtained, the prediction accuracy is 06.00-12.00: average MAPE 92.69%, 12.00-18.00: average MAPE 92.43%, 18.00-24.00: average MAPE 92.16%, and 24.00-06.00: average MAPE 92.83% based on the average value over time obtained through the smallest MAPE calculation is 92.53% so that the error and accuracy values obtained are quite good.

Keywords : *Prediction, Crime, Mapping, Moving Average, Machine Learning.*