ABSTRACT

This final project aims to provide and provide information about the estimated price of primer commodities in the future easily to the public through a prediction price of staples dashboard. The making of this staples price prediction dashboard is motivated by the prices of staples that are always changing and tend to increase, especially during the big days. The staples price prediction dashboard was created using the PHP and Python programming language. The data used consisted of 11 types of staple commodities in markets in Bandung City. The result of the search for the best method that can be used in predicting the price of basic commodities is a polynomial method by calculating the value of the average Mean Squared Error (MSE). The results of MSE calculation showed that the polynomial method is suitable for the prediction of garlic, big red pepper, curly red pepper, chicken meat, premium cooking oil and chicken eggs with an average MSE value of 3.18. The prediction results are then visualized in the form of a basic price prediction dashboard that can display the price of basic materials for the next day, next week, next month, and even next year.

Keywords: Prediction, Basic Commodities, Polynomial Method