

ABSTRACT

The instability in prices of basic commodities can cause losses to consumers and producers. The basic material becomes the main need that must be fulfilled, especially for agricultural and livestock products. However, fluctuations in prices of basic commodities are difficult to fulfill. Prices are formed by the interaction between demand and supply. If supply is high and demand is low, then prices experience decline. However, if demand is high and prices are low, the price will increase. For this matter, a method is needed to estimate the price of these staples so that they can be used to support policy making related to the prices of basic commodities. Therefore, a system is designed to estimate the prices of basic materials using the Conventional Moving Average (CMA) method. The final result of data processing and forecasting systems in this system is an assessment of the accuracy of data processing to be able to predict the prices of staples in the future in the short term. With the design of this system, it is expected to be able to help determine the price predictions of basic commodities in the future.

Keywords: *Forecasting, Basic commodities, Conventional Moving Average*