GROCERY STOCK FORECASTING SALES UD. BIMA METHOD DOUBLE EXPONENTIAL SMOOTHING

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Abstract

Forecasting the stock groceries (nine basic) is one way or alternatives to determine the exact decision (reorder) to producers of basic foods. Besides the purpose of their forecasting the stock in order to avoid a buildup of stocks in warehouses UD BIMA, because if there is accumulation of the stock will affect the number of shots or reorder in the next month. And estimate the predicted number of product sales in the following months. In this research, forecasting the stock groceries (nine basic) in UD BIMA using double exponential smoothing method. Set data or historical data used and calculated using the method of double exponential smoothing is selling groceries in the amount of data in January 2014 until December. In accordance with that examined sales data UD BIMA has a plot or trend up and down, after going through the process of forecasting it will do the testing errors in forecasting. To perform the test, the forecasting is done by calculating the mean absolute deviation. The smallest MAD between 0.1 and 0.9 will be used as a forecasting.

Keywords: Forecasting, Stock Sembako (Nine Staples), Double Exponential Smoothing