FORECASTING ANALYSIS OF REQUESTS FOR INDOMIE PRODUCTS IN PT INDOFOOD CBP SUKSES MAKMUR TBK NOODLE DIVISION

ABSTRACT

PT Indofood CBP Sukses Makmur Tbk Division Noodle, there are many kinds of instant noodle products produced by one of them is Indomie. Indomie products are divided into many types of indomie products. The process of producing Indomie products is seen from the number of requests received. Demand for period 1 was 3,828,200 packs. From the results of production it can be seen that the production does not meet the number of requests requested. Therefore, forecasting is needed to determine the best forecast for the production of industrial products in order to meet demand. With this forecasting using the Moving Average method, Weighted Moving Average, and Autoregressive Integrated Moving Average to see the comparison of Mean Square Error, Mean Absolute Deviation, Mean Forecast Error, and Mean Absolute Percentage Error the smallest. The Moving Average method is obtained with MAD results of 250.336 and MAPE of 8% which is the smallest of MA and ARIMA, the results of moving average forecasting for period 2 are 3887133 packs, period 3 are 3857800 packs, period 4 are 3734400 packs, period 5 3646800 and period 51 as many as 3045173 packs. Then forecasting with the Moving Average method that is used to plan the future production process.

Keywords: Moving Average Method, MAD, MAPE, Demand Forecast.