FORECASTING ANALYSIS OF TOTAL VEILS DEMAND ON THE ARIN VEIL SMALL INDUSTRY IN SURABAYA WITH CALENDAR VARIATION METHOD

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ABSTRACT

The ARIN veil convection Industry is small scale industry that has stood for 14 years. In this convection industry will increase demand of veil that was accompanied by escalating the number of raw materials needed for production were labor and fabric at the time before Lebaran until after Lebaran. This causes need to be done in order to avoid congestion forecasting inventory or inventory shortages. This research used two methods of forecasting that is the Box-Jenkins ARIMA method and Calendar Variation model with Time Series Regression Approach. This research aims to obtain an appropriate forecasting model and also obtain the value of forecasts for the period January to December 2010. From the two methods that are used in this research note that the proper method to analyze the demand of veil in Arin Collections is a calendar variation method with time series regression approach because the method has the highest RMSE and MAPE is smaller than most other methods.

Keywords: Box-Jenkins ARIMA models, Calendar Variation Method, Forecasting, RMSE, MAPE.