FORECASTING CAPITAL IN ASEMBAGUS BPKB CREDIT WITH EXPONENTIAL SMOOOTHING METHOD

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ABSTRACT

Forecasting is a calculation analysis technique that is carried out with a qualitative or quantitative approach to forecast future events with the use of reference data in the past. Forecasting has the objective of predicting economic prospects and business activities as well as the environmental impact on these prospects. Forecasting is the most important part for any company or business organization when making management decisions, one of which is the Asembagus BPKB Collateral Credit. In his business, there are restrictions on the provision of capital each year. This resulted in BPKB Asembagus' collateral credit limiting the loan every day. Therefore, this study aims to determine the capital every month in order to meet needs and become the basis for making decisions. The research method used is Exponential Smoothing, which functions to predict the amount of capital each month to suit your needs. Then later the system will process the forecasting data according to the input data that has been inputted. This input data is in the form of input data and expenditure data. Forecasting results in May 2020 required a capital of 26,825,023 with the smallest alpha income of 0.8 with MAD of 2,962 and the smallest alpha of expenditure, namely 0.5 with MAD of 489.

Keywords: forecasting, cooperative, exponential smoothing