

ABSTRACT

THE IMPLEMENTATION OF SEMI AVERAGE METHOD IN FORECASTING LAPTOP SALES AT BIG COMPUTER SHOP

By :
Fenggi Wiranto¹⁾
Herlina Latipa Sari²⁾
Lena Elfianty²⁾

Big Computer shop is an electronics shop that sells various needs in IT (Science and Technology) sector, namely computers, laptops, notebooks, printers and others. So far, the management of laptop sales at Big Computer Shop is still done manually through bookkeeping and archived sales receipts. At that shop,, problems often occur in determining laptop stock every month. Because there are no parameters that can help how many laptops should be restocked at Big Computer shop, this has resulted in some laptops having a lot of stock but selling little and conversely having a small stock but selling a lot. The implementation of Semi Average Method in forecasting laptop sales at Big Computer shop is used to provide information on the results of forecasting the number of laptop sales for the next month based on analysis carried out data on the number of laptop sales for the last 12 months. The implementation for Semi Average method was created using the Visual Basic .Net programming language. This application can provide information to Big Computer shop owners so they can better manage the availability of laptop stock in the shop, by looking at the forecasting results of future laptop sales, thereby minimizing the occurrence of stock shortages, excess stock or running out of laptop stock in the shop. Based on tests that have been carried out on data samples in 2022 of Acer Brand Laptop Sales, forecasting results in 2023 were obtained with an average value of 3.70833 if rounded up to 4 total sales per month in 2023.

Keywords: Implementation, Semi Average Method, Laptop Sales Forecasting, Big Computer Shop

- 1) Student
- 2) Supervisors

