

ABSTRACT

Semesta Adventure is a shop that rents and sells various kinds of outdoor equipment and various accessories related to outdoor equipment in Yogyakarta. The data collection on sales of outdoor equipment that is currently running still uses the conventional way of taking notes in books. This can result in missed or lost sales records during recapping. In addition, it can be said that sales have not reached the target, because in the calculation and sales forecast for the next period, Semesta Adventure only uses estimates without the right method. This results in errors in planning the inventory of goods which can result in the accumulation of goods in the warehouse because they are not sold, and the risk of goods being damaged due to the accumulation. This study aims to design a sales information system that can facilitate the presentation of information and data management of sales transactions as well as predict the next sale. This prediction will be a reference in procuring or purchasing goods from suppliers. This outdoor equipment sales information system will be developed using the single moving average method. This method serves to predict future sales in order to know the number of stock items that must be provided according to demand. This research was conducted in Semesta Adventure, and the method used in this research is a qualitative method with data collection techniques through observation, interviews, and decision studies. This research uses the waterfall system development method which consists of requirements analysis, system design, system creation, system testing and implementation. This system is designed and built using the PHP programming language and MySQL DBMS.

Keywords: Information Systems, Sales, Waterfall, Single Moving Average