

# ***Drug Sales Information System Development Using Weighted Moving Average Method***

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## ***ABSTRACT***

*Kronggahan Pharmacy has problems in managing drug data, managing sales transactions, purchases and reports because many transactions are only recorded in the transaction book so they are less effective in managing them. In addition, at Kronggahan Pharmacy there is not yet a system to predict drug sales in the next period so that the risk of drug overstock occurs due to a certain period of time because the number of sales requests is small while the supply of drugs is large and the expiration period of the drug is limited. This study aims to develop an information system that can facilitate the presentation of information and management of sales transaction data as well as a drug procurement recommendation system. The method for drug procurement recommendations uses the weighted moving average method by predicting drug sales in the next period. The results of the application of a prediction system using the weighted moving average method can provide recommendations for drug procurement by looking at sales data in the previous period which is used as a reference in the drug estimation process to determine the number of drug orders that can minimize overstock or excess inventory. This system is made using the PHP programming language and MySQL DBMS.*

***Keywords:*** *Information System, Sales, Prediction, Weighted Moving Average*