

ABSTRACT

In the digital era, many small businesses, especially grocery stalls, face significant challenges due to manual record-keeping that often leads to errors in transaction management, expired stock control, and financial tracking. This makes it difficult for owners to make informed business decisions and generate accurate financial reports. Therefore, this research develops a web-based Point of Sale (POS) system for grocery store Arrayyan. The system aims to automate purchase transaction management, record sales and expenses, and provide notifications for expired products. Using the Waterfall methodology, this system is expected to improve operational fluency, reduce losses, and provide accurate data to support better decision-making.

Keywords: Point of Sale, Grocery Store, Application, Stock Management, Waterfall