

## ABSTRACT

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*The Web-based Sales and Ordering Application for Basar45 Bakery is an integrated solution aimed at enhancing operational efficiency and customer service in the bakery business. The background of developing this application involves issues related to manual order management, lack of transaction record keeping, and difficulty in providing product information to customers. In its implementation, the Waterfall method was chosen to ensure structured development stages and allow for flexible changes. The selection of PHP programming language for the server-side and HTML/CSS for the client-side supported comprehensive application development. The testing results of this application showed a significant improvement in the efficiency of the ordering process and transaction record keeping, as well as benefits such as improved service speed and better customer experience.*

*Keywords: Web-Based Application, Waterfall Method, MySQL, Cake Sales, Online Ordering.*