TRADITIONAL CLOTHING RECOMMENDATION SYSTEM USES WEIGHTED PRODUCT ALGORTITHM

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ABSTRACT

This research aims to develop a traditional clothing recommendation application designed to help users choose traditional clothing according to certain types of events. This application was built and implemented using the flutter and dart programming languages. This research identified several important criteria for determining recommendations for traditional clothing such as age, size, price, color and type of event. To determine recommendations for traditional clothing, an algorithm is used Weighted Product, an effective method for decision making. Meanwhile, the development method uses the prototype method which has 5 stages, namely communication, quick plan, modeling quick design, construction of prototype, deployment delivery & feedback. This application has various features, such as displaying recommendations for traditional clothing based on criteria entered by the user, displaying images and types of traditional clothing, and providing a search feature that makes it easier for people to find traditional clothing according to the user's needs. Application testing is carried out using the method black-box testing to ensure that all functions run as expected. With algorithms Weighted Product It is hoped that the selection of traditional clothes will be more accurate. By using appropriate weights, this method can help decision makers overcome the complexity of choosing the alternative that best suits people's needs. The application accuracy rate was calculated using manual calculations and reached 86%, which indicates good recommendation system performance.

Keywords: Recommendation System, Flutter and Dart Prototype Method, Weighted Product, Black-Box Testing