DESIGNING A CAFE MENU ORDERING APPLICATION SYSTEM USING MOBILE-BASED SIMPLE ADDITIVE WEIGHTING (SAW) METHOD
(Case Study: Lentera Cafe Banjar, West Java)

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ABSTRACT

Lentera cafe is a place that is visited by various groups from teenagers to adults. The large number of visitors makes ordering cafe menus inefficient. The current system often forces customers to come directly to the cafe and queue and place an order, which can take time and energy. Apart from that, many customers find it difficult to choose a menu that suits their wishes amidst the many choices available. To overcome this problem, this research aims to present a solution by designing a mobile-based application system that uses the Simple Additive Weighting (SAW) method to provide menu recommendations that suit customer preferences. The SAW method gives weight to each criterion to calculate optimal menu recommendations. There are 4 criteria used in this research, namely weather, conditions, budget and taste. This mobile-based menu ordering service system is implemented using the Kotlin programming language and database storage media using the MySQL database. The results of this application development are expected to increase efficiency, better customer experience, ease the menu ordering process and the system can help in processing cafe data to be more accurate and precise.

Keywords: Cafe, Menu Ordering, Mobile, Simple Additive Weighting (SAW)