

ABSTRACT

IMPLEMENTATION OF THE SCRUM METHOD IN ANDROID-BASED SOFTWARE DEVELOPMENT (CASE STUDY : MUKTI SARI CATERING)

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The development of information technology has encouraged many businesses to adapt to the digital era. One way to do this is by using mobile applications. Mobile applications can help businesses increase sales, customer service, and operational efficiency. This study aims to apply the Scrum method in Android-based software development for small and medium enterprises (SMEs) Kedai Mukti Sari Catering. The Scrum method is one of the agile software development methods that emphasizes collaboration, adaptation, and sustainable value in the results. This research uses a case study to investigate and analyze the software development process using the Scrum method. The Scrum method helps in more structured and gradual development, improves collaboration between the store owner and the researcher, and maintains and produces high-quality software. After the development process, the application was tested using Black Box Testing and White Box Testing, and it was found that all features functioned properly and the program logic ran as expected. The results of this study indicate that the Scrum method, Black Box Testing, and White Box Testing can be successfully applied in the development of a Flutter-based Android software application for Kedai Mukti Sari Catering services, resulting in an application that aligns with the design and research methods used.

Keywords : Android, Black Box Testing, Scrum, MSME, White Box Testing.