

ABSTRACT

Camping activities are one of the types of outdoor tourism that are favored by the wider community, especially domestic tourists, as evidenced by data released by the Ministry of Environment and Forestry which states that throughout 2019 it was known that the total visits to national parks were 7,930,466 visits with the percentage of domestic tourists dominating as much as 84%. . This is taken advantage of by the presence of equipment rental shops because the costs incurred by tourists are more affordable and do not require special care. But the fact is that many of the equipment rental shops do not take advantage of the presence of technology to support their business so that tourists who want to rent equipment have difficulty finding shops that provide camping equipment rentals. The Kegungung startup is expected to make it easier for tourists to find and order mountain equipment and make it easier for equipment rental shops to offer their tools. The number of mobile phone users in Indonesia, which reaches 96% of the total 338.2 million internet users, has prompted Kegungung startups to develop Android-based mobile applications so that they can be used easily by many users. The features contained in the Kegungung application are information on equipment prices, equipment pick-up based on destination locations, and a payment system that provides various payment methods. In its development, the Kegungung application uses the Java programming language for writing code, the MVVM architectural pattern to facilitate development, and the iterative incremental method to divide the development process into several clear stages. In the application of this method, it produces two running iterations. Each stage in the iteration produces a product in the form of an Android-based application that is tested using the black box testing method to test the application's functionality. With the results of the test, the mobile application for the Kegungung startup tool rental feature is ready to be implemented to help climbers make it easier to prepare for climbing in one application.

Keywords: nature tourism, mountain tool rental, startup, Android apps, iterative incremental, black box testing, java, model, view, viewmodel