

ABSTRACT

Koperasi Simpan Pinjam Dan Pembiayaan Syariah Karya Usaha Mandiri (KSPPS KUM) is an institution that is actively engaged in the field of Services, Consulting, and Development of microfinance aimed specifically at poor households in rural Indonesia. In its activities KSPPS KUM still uses a system that can be said to be still manual and less efficient. KSPPS KUM uses Microsoft Excel as a medium for recording employee attendance or attendance during operational activities in the field, which is considered to be still not efficient enough and there are many shortcomings that cannot be handled. Based on these problems, the solution that can be offered is to build a mobile application for Attendance System Information (Absenin). This application can assist the human resource management division in monitoring and recording the presence of its workers, especially field workers in a more effective and efficient way. Apart from that, the API is also a factor that must be a concern in the development of this application because the API is used as a connector between the mobile application and the database and also acts as a function manager on the system. In this study, the development of the application programming interface was developed using the Laravel framework with the Iterative Incremental method and using White-Box as the testing method. Which is generated based on the test results on the back end module, the Absenin application has successfully passed the feature test using unit testing and testing the stability of the number of user access as much as 200 using a load test. The result of this research is a back end module that provides all functions for mobile clients that can help the client side run its main business processes.

Kata kunci: Absensi, API, Laravel, Iterative Incremental, Flutter.