

ABSTRACT

Character assessment of the cadet is one of the foundations for the evaluation of educational outcomes at the Police Academy through the mentoring activities carried out by mentors. A series of such mentoring activities are listed in information in the form of a daily activity report. Monitoring of such daily activities is still done manually using board media and is considered less efficient. In addition, the complexity of the indicators and the weight of the assessment as well as the presence of a recapitulation of the values of the character aspects of the cadet each month add to the burden for the mentors in carrying out mentoring activities. This final project produced an mobile-based application that can address the shortcomings in performing character assessments of the cadet and monitoring the daily activities of the battalion. The application was developed using the ICONIX Process development method that consists of four stages that include requirements, analysis/preliminary design, detailed design, and implementation. The application was built using the Dart programming language and the Flutter framework to develop front-end of the application and used the API to access servers that enable the management of data in the database. In addition, the application was tested using black-box testing to test the functional requirements of the application through several specified test scenarios. Based on the test results, each feature of the developed application has been running according to the functional requirements of users that have been identified so that the application is suitable and ready to used.

Keywords : Cadet Character Assessment, Monitoring Battalion Daily Activities, ICONIX Process, Black-Box Testing, Mobile Application