

ABSTRACT

Telkom University is one of the leading private universities in Indonesia located in Bandung and has branches in Jakarta and Surabaya. One of its study programs, S1 Information Systems, is accredited as This study program measures its performance using four indicators: the number of on-time graduates, the student withdrawal rate, the number of students who exceed the normal study period, and the number of critical students. Currently, monitoring of key performance indicators is done manually, which is inefficient and prone to errors. The purpose of this research is to create and implement a student study Progres monitoring application in order to monitor key performance indicators more easily. The application was developed using PHP and Laravel framework, and tested with black box testing and load testing. The implementation method used is Iterative Incremental in two iterations. The result of this research is an application that helps the study program monitor performance based on four main indicators.

Keywords: S1 Information Systems, Key Performance Indicators Student Study Progres Monitoring Application, Iterative Incremental, Black Box Testing, Load Testing