

ABSTRACT

Telkom University is a private university in Indonesia which is a combination of four universities under Telkom Education Foundation (YPT). With this merger is expected to enhance the competitiveness of the nation's role in Indonesia. In order to increase competitiveness, Telkom University students need to get a qualified candidate by way of organizing the selection of the thousands of applicants through Joint Entrance Selection (SMB). To face competition Seleksi Go Together (SMB), the students need to prepare in advance by doing exercises. In addition to training, required for settlement discussions to discuss the matter as well as indicators of success.

In this study crowdsourcing stabilization built web applications using iterative incremental method that can provide solutions to the above problems. The application of the concept of crowdsourcing works to provide opportunities for users to share information in the form of questions and discussion about the discussion or problem solving. Analysis and design of web applications using UML (Unified Modeling Language) and programming languages PHP framework CodeIgniter. Furthermore, the web application is tested by testing system functionality and user feedback. The results show that the system is in conformity with the system design and user needs.

The aim of this study is the web application to facilitate prospective students to make preparations before the test SMB University of Telkom, share questions, conduct discussions for problem solving, as well as measure the ability to see indicators of success.

Keywords : *crowdsourcing, iterative incremental, Unified Modeling Language, CodeIgniter, SMB Telkom University*

