ABSTRACT

E-Learning is a one of learning preparation in learning in students need before follow examination. High level competition for college admission, information not yet available for learn effective and efficient, and just learned in one place and certain time as a tutoring or library. With the increasing mobility of a person, increasingly rapid technology development and the increasing number of internet user in Indonesia, e-Learning application is an appropriate solution, therefore e-Learning application is maked as the fulfillment of those needs.

The method applied in this study using iterative and incremental method, and crowdsourcing model. Crowdsourcing model allows interaction between users for information collection and sharing of information. This application is built using the PHP programming language and codeigniter framework. The phases were carried out in study consist of, inception, elaboration, construction, and transition.

Result from this study is a e-Learning application using crowdsourcing model. Design of e-Learning application is expected to accommodate students for learn and practice beffore attending college admission examinations including the examination of SMB Telkom University.

This application is built using e-Preparation portal webbased and using internet media, so that users can access this application anywhere and anytime, as well as the application is expected to provide added value for users.

Keyword: *e-Learning, crowdsourcing, iterative incremental, codeigniter*