ABSTRACT

DESIGN OF WEB APPLICATION WEB APPLICATION AS A TRIP AND COMMUNICATION MEDIA PLANNING USING AGOLE METHOD BASED ON CLOUD COMPUTING

By:

Ragil Prasetiyo

Pergi Bareng is an application system developed to accommodate a form of travel planning and communication carried out by travel activists, so that a travel plan can be done in unison or together. Pergi bareng application systems having needs that are so fast to meet the needs of system development. So, the most suitable development model for agile system development. From several existing agile method models, one model was chosen, namely the agile method with the Extreme Programming (XP) approach. The fastest deployment process in accordance with system development needs, is used by cloud computing platforms as a media deployment.

The development of the system is carried out in several stages of development, namely the planning, planning, development, coding, and testing carried out in accordance with the principles of the agile method. The results of the alpha test explained that the overall system that was built was successful or accepted, because functionally the system could run as expected. From the results of beta testing of the efficiency variable by 88%, the effectivenees variable by 83%, and the satisfaction variable by 87%. Based on testing these 3 indicators, the system usability value is 85%. So, it can be concluded that the design of the pergi bareng application system using the agile method with the Extreme Programming approach is suitable for travel activists. Further system development is needed so that the system can run well.

Keywords: Agile methods, extreme programming, web application design, pergi bareng