

ABSTRACT

DESIGNING A WEB-BASED CLIMBING BOOKING INFORMATION SYSTEM THROUGH THE RAPID APPLICATION DEVELOPMENT METHOD

(Case Study: Mount Slamet via Bambangan)

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Mount Slamet is the highest mountain with a height of 3432 meters above sea level which is used as a climbing tourist destination located in Central Java. Mount Slamet is categorized as an active volcano located in the western part of Central Java, crossing five districts namely Brebes, Banyumas, Pemasang, Tegal, and Purbalingga. Basecamp Bambangan does not yet have a climbing booking information system and the absence of daily climbing quota restrictions in the face of a surge in the number of climbers and the Basecamp manager's process in terms of data search and verification of inefficient climber information. The development method used in the construction of this system is Rapid Application Development (RAD), with the application of the Laravel framework. The information system developed can improve the efficiency of climbing on Mount Slamet via Bambangan by integrating the Midtrans platform as a payment gateway. The results of this study created a website-based climbing booking information system that can limit the daily climbing quota and make it easier for officers to verify and manage climber data. System testing using the Blackbox testing method and user acceptance test (UAT) found that the climbing booking information system for admin 79% is good and acceptable. As well as 85.6% The system for climbers is very good and acceptable.

Keywords: Blackbox testing, Booking, Laravel, RAD, UAT