

ABSTRACT

DESIGN OF A WEB-BASED HIKING REGISTRATION INFORMATION SYSTEM FOR MOUNT PRAU TOURISM USING THE LARAVEL FRAMEWORK

By

Andreas Novito Andi Sano

NIM: 20102293

This study aims to design a web-based mountain climbing registration information system using the Laravel framework for the Gunung Prau tourist destination. The current issues involve a registration process that is still carried out manually, which requires more time, along with suboptimal management of climber data and inspection of carried equipment. The method applied in this research is Rapid Application Development (RAD), which enables the system development process to be conducted quickly and efficiently through the stages of planning, design, construction, and implementation. The result of this research is a mountain climbing registration information system that facilitates climbers in making online reservations, uploading required documents, and arranging climbing schedules according to their needs. The system is also equipped with features for officers, such as monitoring the number of climbers, verifying data, and checking the list of carried items before departure. The discussion covers the system development process, user requirements analysis, interface design, database management, and functional testing. The conclusion of this research indicates that the web-based mountain climbing registration information system can improve the effectiveness of registration management, accelerate the verification process, provide convenience for visitors in conducting online registration, and support the development of better services in the future.

Keywords: information system, mountain climbing registration, web-based, mount prau, laravel