SIMAKSI APPLICATION INFORMATION SYSTEM FOR CLIMBING MOUNT LAWU VIA CEMORO SEWU AND CEMORO KANDANG BASED ON ANDROID

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ABSTRACT

Mount Lawu is a mountain located on the border between Central Java and East Java. Mount Lawu is a mountain with resting volcano status and has been inactive for a long time with a height of 3265 meters above sea level. The Mount Lawu climbing routes that are most often used in the border areas of East Java and Central Java are the Cemoro Sewu and Cemoro Kandang routes. To maintain good natural conditions, Perum Perhutani Gunung Lawu enforces regulations for climbers and prohibitions on things that cannot be done during the climb. The climbing registration system to obtain a permit to enter a conservation area can only be done in places where it is still recorded manually. This can make things difficult for forestry officials and climbers if there is an accident so they have to search for data manually and climbers have to carry out inspections on the spot. Simaksi (Conservation Area Entry Permit) is a mandatory requirement that must be fulfilled by applicants to be able to carry out activities. Creating an application system using the Kotlin programming language and data stored in a MySQL database. The results of this research indicate that the online viewing system has great potential to improve the development of Mount Lawu Tourism management. With this application, climbers as users will find it easy to watch climbs online and it will be easier for Perhutani to collect data on Mount Lawu climbers.

Keywords: Climbing, Mountain, Application, Android, Ordering