

ABSTRACT

Doing hiking activities is an interesting activity that can be healing or mind refreshing and even become a hobby for many people these days and also can be an achievement to be proud of. These days, Mountain hiking is no longer a rare activity, It becomes an activity that is not only carried out by certain people who call themselves a group of nature lovers, nature explorers, etc. But it has been done a lot by common people who want to experience hiking. No matter if it's Indonesia climbers or International climbers, there are also who climb just to heal the mind. In mountain hiking activities in East Java, most of them still use a manual registration system, which is the register write their registration letters to the hiking post. Therefore the author raises the title of the online mountain hiking booking information system in East Java based on android, to make it easier for climbers to register online bookings via Android. In this system, it can also be easier for admins, which is easier to validate climber data via website. On the web itself, there is a scheduling method, named the Shortest Processing Time (SPT) method, so that it is easier for the admin to filter data that must be validated first. Based on the results of the functional testing, it can be seen that the running of the program is in accordance with the registration procedure of users using Android until the validation stage from the admin, from the test results above it can be stated that the system is feasible for functional testing and error handling testing.

Keywords: Online booking, Shortest Processing Time (SPT), android, web.