Implementation of A Web-Based Bogor Peak Tourism Information System

Yudistira Soegoto, Ari Fauzi*, Muhammad Fariel Raihan Haque, Shinta Ayu Purnamasari

Departemen Sistem Informasi, Universitas Komputer Indonesia, Indonesia

Email: * ari.10520034@mahasiswa.unikom.ac.id

Abstract. Puncak Bogor is a mountainous tourist attraction in the Bogor area and Cianjur regency which is visited by many tourists and makes the peak of Bogor as one of the right choices to relieve fatigue from daily activities. Because it is too crowded and crowded with visitors who come, therefore many entrepreneurs to open tourist attractions, and cause congestion in the direction of Puncak. The purpose of designing this web-based Puncak Bogor Tourism information system is to make it easier for tourists to vacation in Puncak Bogor, this design uses the method of data collection and analysis process obtained from the tourism office, transportation agency, and BMKG. As a result of designing this system, 90% of web users find it easiest to travel to the top of Bogor. Because the vacillation of tourists to go on vacation is resolved by the existence of the web. It can be concluded, the existence of this web can help people who experience fatigue from the work that has been carried out and want to take a vacation with their families. To find out the route to be passed is safe and smooth, then of course you will look for information about travel routes that can facilitate the journey to the destination.

Keywords: Bogor, Information System, Tourism, Website

1. Introduction

Planning to travel before going on a trip is very important. By making an itinerary, tourists can easily see the desired travel picture and can shorten the time to arrive at their destination and not be confused about the plans for the places to be visited[1]. Puncak Bogor is one of the most popular tourist attractions, the peak of Bogor is located in the Bogor area and Cianjur regency. This area is well known by the surrounding community and people outside the area. Puncak Bogor has its own charm for tourists including tours that offer natural beauty, recreational tourist attractions, and culinary that mushroom along the way.

When traveling, of course, it is necessary to prepare an itinerary, this itinerary is like a list of the sequence of activities when traveling, which is chronologically, complete information, transportation information, accommodation, and many other things[2]. Tourism can be carried out if there are supporting objects such as tourists, interaction with tourist attractions, which are supported by adequate facilities and infrastructure, and tourism[3]. Tourist attractions can be called attractive when there are many visitors[4]. To travel to a place that we have never

been to, of course, it is necessary to have a route guide or it can be called a GPS, GPS (Global Positioning System) is a system that uses the help of satellites to find out the accurate position on the surface of the earth[5]. GPS can also help us on a trip capable of detecting congestion for the route to be passed, GPS systems are designed to provide position information as well as information about the time directly around the world in various weather conditions[6]. This website is also designed with the addition of a weather forecast feature, Weather is the state of the air in a place, the weather can vary from place to place. Because the weather can support or hinder activities, a weather forecast is needed that can provide information on weather conditions in a place or area[7]. Therefore, weather conditions are an indispensable information and are widely used to monitor changing weather changes in controlled areas such as homes, industries, campuses, and others. Required weather parameters such as temperature, precipitation, air humidity, light intensity, and wind speed. However, the issue occurs when an accurate weather report is needed for the current time. With the weather reporting system all sensors of weather parameters will be controlled by the ESP32 microcontroller as a server that will send all the data collected by the sensors to the database [8]. Weather radar can generate information directly once every 10 minutes[9]. One of the main factors in analyzing data related to rainfall in an area, especially the Bogor region, is none other than to find out the weather pattern or cycle [10].

The purpose of designing this web-based Puncak Bogor Tourism information system is to make it easier for tourists to vacation in Puncak Bogor, this design uses the method of data collection and analysis process obtained from the tourism office, transportation agency, and BMKG.

2. Method

The method used in this study is a qualitative method. This research is to find out user satisfaction with the web. The subjects of the study were the peak tourism of Bogor and tourists, while the object of this study was tourist attractions. This study used the method of filling out questionnaires and interviews. The purpose of this research method is to find out how much the percentage of tourist visits visits to Puncak Bogor.

3. Results and Discussion

The design of the web-based Puncak Bogor Tourism information system uses the method of collecting data and analysis obtained from the tourism office, transportation agency, and BMKG. A web display that is easy to understand by all circles can be very easy to use. An example of a web tour of bogor peak (see Figure 1).

Figure 1. Logo

Skuy Peak has a yellow two-roll logo of the skuy peak below it and a dominating color of green.

1. Two mountains have the meaning of a picture of the summit area surrounded by many mountains

2. The color yellow has the meaning of cheerfulness and happiness which is expected to give happiness and cheerfulness to users of the peak website skuy

3. The logo of the skuy peak under the mountain has the meaning of crowds, namely visitors who are often visited by tourists

4. The dominating green color depicts the coolness and color that dominates in the peak area itself which is lush with plants and trees
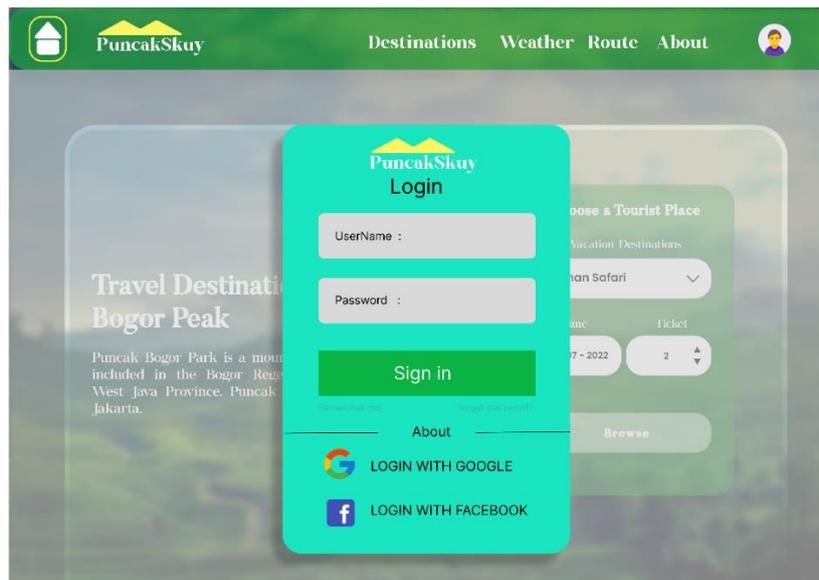

Figure 2. Login

The puncak skuy website can be used if the user has registered and logged in, in this section will be displayed the fields that need to be filled in, including the username and password that

have been previously registered, or can be connected to social media accounts including google and facebook that the user has to make it easier for users to log in to this puncak skuy website then after that the user can use the tools tools that have been provided on the puncak skuy website.
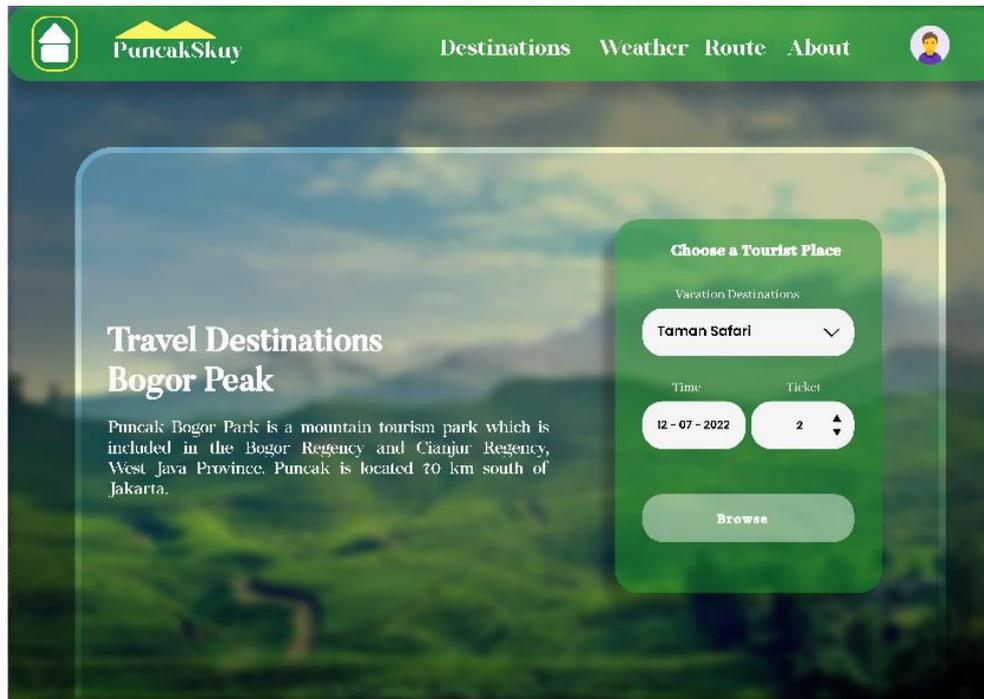

Figure 3. Home

The pinnacle of skuy is a web-based information system that provides information in the form of maps. Through this website, tourists can pay attention, display, and know a lot of information about various aspects related to efforts to increase production and productivity of strategic commodities. Visitors also get information about the destination to go to. (See Figure 4)
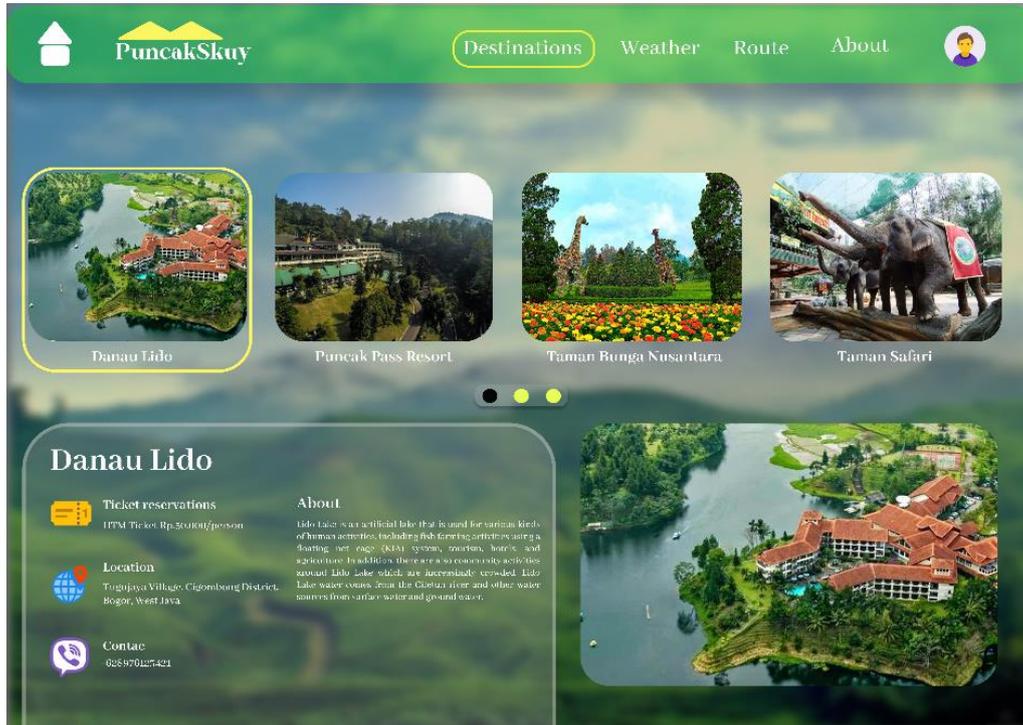
Figure 4. Destination

In figure 2, there is a display display about the choice of tourist road routes that can be visited and related information about the tour that will be seen by displaying the description of the place, the price of the ticket to be booked, the route of the location to be taken, and there is a contact to contact the tourist attraction. Visitors can also know the surrounding weather that is going on and the weather that is coming. (See Figure 5)
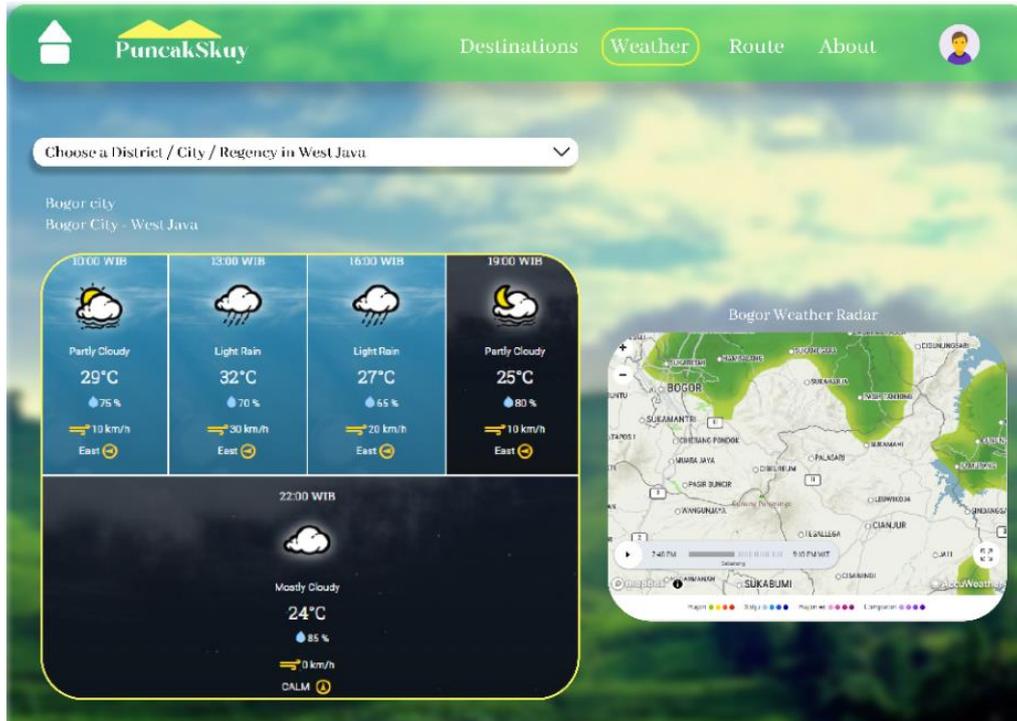
Figure 5. Weather

In figure 3 to see the weather and map path overview, this feature can be seen in the weather menu, then in the search field where it will be shown the weather conditions that are happening in the area being searched, and see the route of the road direction to be passed. Users can also use the menu of the route to go to (See Figure 6)
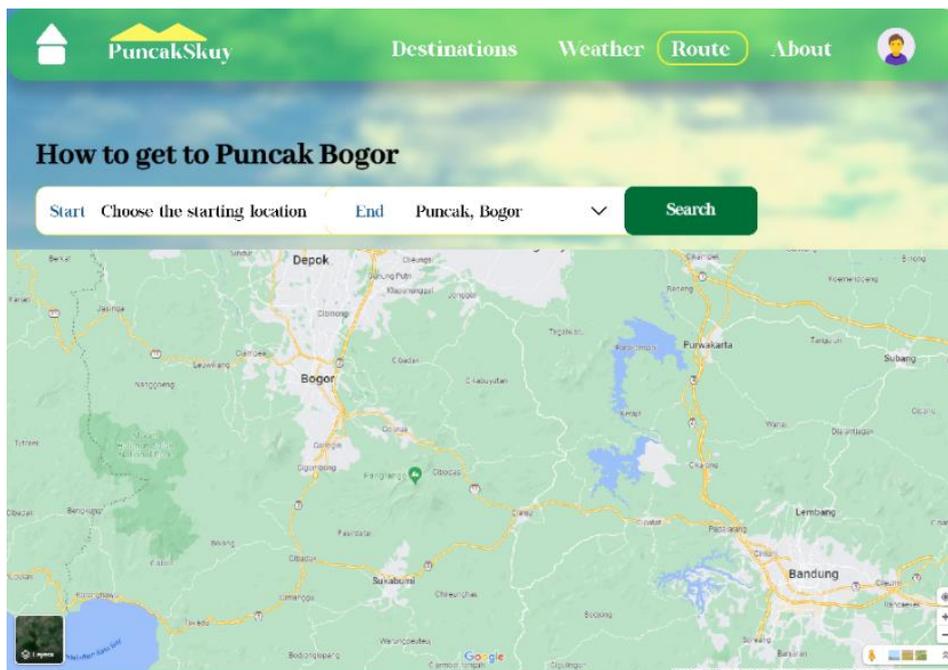

Figure 6. Route

The picture above explains the initial location and the final location where the web user must fill in the starting location before leaving and choose the destination location that has been prepared. After choosing the destination location, the system will look for a route to that location and the system will also track which route directions are not congested so that tourists do not feel disturbed by congested roads. Users can view a menu about web users and send suggestions. (See Figure 7)
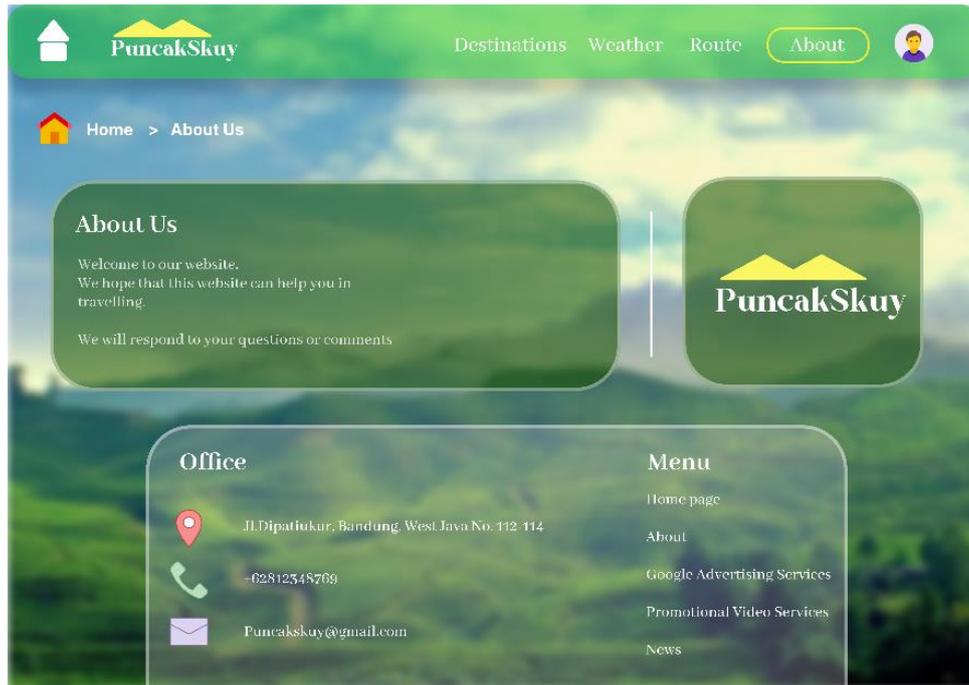

Figure 7. About

On this page, users can know about the Skuy Peak web builder and users can know the location, contacts, and e-mails of the web builder to give suggestions or criticisms.

4. Conclusion

PuncakSkuy is a website designed with the aim of marketing tourist attractions in the puncak area and making it easier for tourists who will visit and travel to Puncak Bogor, the Puncak Bogor Tourism information system is designed with a qualitative method by collecting analytical data from the tourism office, transportation agency and BMKG, as well as observing the behavior of individuals and groups in the Puncak Bogor tourist area.

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