

ABSTRACT

In the era of advanced information and communication technology which are increasingly sophisticated, the need for technology that supports the activities of traveling has become an important requirement to the community. For travelers traveling often faced with a lot of options with a variety of tourist categories of its own.

Bandung is one tourist destination which are frequently visited by tourists, both domestic and abroad. The main problem that occurs is when the tourists had reached a certain point in the Bandung area and do not know want to go to nearby tourist places where to save travel time in accordance with the desired direction of travelers. Or it could also tourists who do not know the direction of the nearest tourist from the tourist locations.

The limitations of the human visual that could occur if there is any object that prevents other object to be seen can also disrupt tourists to reach the actual destination to be achieved. Moreover, the disorientation of direction sometime occurs when a person has lost a reference to indicate the wind direction. The wind direction is very useful when being used in conjunction with a map.

To overcome some of these problems there must to be built a mobile tourism geographic information system that can perform search for destinations up to helping tourists to reach the destination site with the help of a digital compass.

The result of constructing the Tourism Information System is a mobile system that can cope with the problem of searching destinations up to the reaching the destination site with the help of a compass for direction. The features provided by this system are: nearest attractions feature, attractions flashlight feature, favorite features, descriptions attractions feature, tourist compass feature, attractions maps features, and check-in features.

Keywords: *direction, compass, geographic information systems, tourism, mobile.*