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## ABSTRACT

Tourism is one of the income sources, for a government and for local region. Bandung as the capital city of West Java is one of the areas in Indonesia that gives big contribution for the tourism sector especially in West Java. This fact is proved by the rapid growth of the tourists that visit Bandung nowadays. There are so many places in Bandung becoming the tourism destination such as Mall, Plaza, Factory Outlet and Fashion Shop, culinary, and many more.

Nowadays, the rapid growth of the internet technology has emerged in all over the world including in Indonesia. With the capability of the internet, information can be accessed by many people simultaneously at the same time. One of the subjects that can be shared by the internet is the tourism places. Nowadays, there are so many websites which provide information about the tourism destination in Bandung. Yet, those websites only provide the information in the tabular data form. There are only a few websites which provide the information about the real location of an object geographically. Furthermore, a complete information system is really needed in order to help the tourists to plan the trip in Bandung more efficiently and effectively.

The purpose of this research is to design a Geographic Information System that enables the user to view the information about the tourism destination in Bandung based on web. The information system is built based on GIS since it is a tool to collect, store, process, and analyze the objects and phenomenon in which geographic location is the most important / critical characteristics to be analyzed on (Aronof, 1989). The data are collected by survey method. This method includes field survey, literature survey, and browsing the internet. Those data are then being processed with software including Mapinfo, Mapxtreme, MapX, and Macromedia Dreamweaver in order to build a Geographic Information System of Tourism in Bandung based on web.

The application has the capability of searching and displaying objects based on category and radius. This GIS is really helpful for the tourists to identify the tourism places in Bandung, completed with the supporting services such as Hotel, Hospital, Station, and Airport. With the capability of searching objects by radius, this application will help the tourists to plan their trip in Bandung. Furthermore, this application can be a promotion media of the Government to promote Bandung in local and international society.

Keyword : *Tourism, Bandung, Geographic Information System, Internet.*