V. CONCLUSION AND RECOMMENDATION

5.1. Conclusion

Web-based GIS information system for tourism was designed and implemented with the real tourism data in East Java Indonesia. This system has been tested in Intranet and Internet environment to estimate the performance of system. These performances are acceptable when it runs in high speed Internet connection.

There are some important points related to this research:

- This system has been designed and implemented by integrating two technologies: Internet and GIS. Internet is very good way to public and promotes information in the whole world. GIS is good tool for dealing with spatial data. So by combining Internet technology and GIS technology to construct a new system called Web-based GIS, that can provides both services in spatial information and non-spatial information.

- The tourism map is generated dynamically with interactive interface, and online map offer a variety of trend-setting functionalities such as integration of raster images and text, high performance zooming, panning and querying.

- Tourism maps in information system offer a powerful, clear and user-friendly access to tourism data with great benefits for tourists and substantial advantages for tourism information systems because maps change from static raster graphics to interactive graphical.
- When people serve and publish data on the Internet, other people can access and browse these data simultaneously. Because of this, GIS on the Web is an in precious method for reaching a vast audience. It offers to the tourist more exact and more meaningful information to meet their quality claims.

5.2. Recommendation

There are several activities that should be done for further work, namely:

- To improve the completing of tourism data both in non-spatial and spatial.

- To enhance the capability of system, the function that allows updating spatial data without touching in programming code must be provided in system.

- To optimize accessing and size of spatial data in order to get faster speed, spatial data can be stored in other format that allows to access data faster.