ABSTRACT

Geographic information system is a computer-based system to record a data, store and process a data that usually geographic reference. Geographic information systems can be used by government agencies to facilitate in knowing the potential or information area. However, the use of the information system is still slightly used by government agencies. For example, government agencies in Dayeuhkolot district, who still do not use the information system. This is because the lack of experts who can make the realization to use the system in his government.

Based on the above problems, this final project will conduct research to design and implement a geographic information system for the Dayeuhkolot district government agency. In this case we take a case study in the field of education as data information to be presented in this geographic information system.

This geographic information system will be web-based using the Google Maps API as map data to be used in the information system application, processing data in graphical form using ChartJS, and using MySQL as the database for the application.

Keywords: geographic information system, google maps api, mysql, web-based