

Abstract

Along with development of Information Technology, it's also raise the requirement of information that is fast, complete, online and mobile. Just like Yellow Pages's service in which provides the information of phone number and location of telephone service's user. Yellow Pages's services are available in online form that is Yellow Pages web site and in offline form that is Yellow Pages Telephone Book. However, user still find trouble to know the exact position of location that is looked for. So Technology that is able to integrate data (non spatial) and image (spatial) will be very usefull.

In this final assignment, has been implemented application for searching shortest path with case study of Yellow Pages's Bandung city. This application uses IDA* Algorithm as method for searching of shortest path . As material guide for searching path in this application, it's used reference Bandung city's map, in which data from that map will be processed using Geographic Information System (GIS). This application is showed by online and mobile, by use of WAP technology. So the result of this implementation is expected can give additional facility for the web of Yellow Pages site which has been published now.

Keyword : map, IDA* Algorithm, WAP, Shortest path, and GIS.