ABSTRACT

Combination system used both by the company and The Fire Departement of MM2100 Industrial Estate Bekasi is annual telephone. It’s difficult to the firemen in toward the location of fire. In addition, the informations obtained are only from spoken information. The purpose of this reaserch is to build a website based application that can show the scene, provide information about time and date of the fire as well as to determine a route to the location of fire incident in MM2100 Industrial Estate Bekasi by implementing Floyd Warshall Algorithm as act of determining route. The development of application used is The Waterfall metod, consist of 5 common steps. They are analyses and requirements definition, system and software design, implementation and unit testing, integration and system testing, operation and maintenance. This application using PHP programming language and MySQL as database. This research resulted in fire location mapping applications by implementing Floyd Warshall Algorithm and Google Map API.

Keywords: Floyd Warshall Algorithm, Google Map, Website, Waterfall