

ABSTRACT

There are different forms of crime happening every day in different areas. A large number of these crimes go unreported because people are sometimes afraid to reveal their identities to the police. Apart from this, crimes are not reported because people do not have enough evidences to report crimes.

The crime reporting application system can provide solutions for the community in handling crime reports. Because the handling of a crime can be faster and more precise, as well as security and comfort in the community can be realized along with the reduction of crimes that occur.

This study discusses the reporting of criminal acts at the Bandung Police Station. The algorithm used is Bellman-Ford to search for the nearest route in solving the problem of crime reported by users. This research is expected to create a system that is used to report crimes in the Bandung city area.

Based on the results of research conducted on testing the application of crime in accordance with the design and application system with manual calculations of the Bellman-Ford algorithm. The application of a crime using the Bellman-Ford algorithm is considered very effective in determining the shortest route at the Bandung Police Station. The test results can be measured by examining nodes, which is 98%, the more accurate the node data obtained, the more accurate the route that will be obtained.

Keywords: *Application, Bellman-Ford, Crime Reporting*