**ABSTRACT**

Lhokseumawe is a city located in the province of Aceh, Indonesia. Since 2001, the city of Lhokseumawe was divided from the North Aceh district and since then many government offices started to be built. Many local residents and people outside do not know the location of government offices in Lhokseumawe city. One way to provide information about the location of government offices by using a geographic information system that allows the public locate government offices. The purpose of this research is to develop a geographic information system based on Android for mapping government offices in Lhokseumawe city. For research methodology software using waterfall method, for modeling the system using a flowchart diagrams, database design using the entity relationship diagram (ERD), while the shortest path calculation using Dijkstra's algorithm. Results from this study is android-based geographic information system for mapping a government offices in Lhokseumawe city, the system can help locate governments offices. From the results of manual calculations performed using Dijkstra's algorithm then obtained the shortest path from the starting point is entered Government Office of Health, with code node A to the end point of the Government's Office of Public Works, with code node F, which passes through [A-P-X-F] with a total distance 1.697 (in meters).

**Keywords : *Geographic Information System, Dijkstra's algorithm, Mapping, Office, Department, Government, Lhokseumawe, Android, Mobile***