ABSTRACT

Physical distancing is very important nowadays to reduce the spread of the COVID-19 Virus, one way is to keep your distance. During this pandemic, the problem that most people experience is that it is difficult to find a restaurant that is empty of visitors or obeys Physical Distancing regulations. Making applications to help find restaurants that are deserted is very much needed by the community. Making this application can use the Dynamic Dijkstra Algorithm. This method is usually used to determine the closest route, Dynamic Dijkstra has proven to be effective through the results of research that has been carried out by previous researchers. Determination of this path is done using data that has been obtained from several restaurants. In this study, the selection of a quiet restaurant is expected to provide a solution for the community to shop at the closest and safe distance.

The results obtained from this research are the website can apply mapping and can also determine the closest path to the destination location with data taken from Google Maps. The results on the Alpha test have a value of 100% and also on the Beta test with valid validity results and also reliable reliability test results.

Keyword: *Dynamic Djakstra, Physical Distancing, Restaurant.*