

## **ABSTRACT**

The integration system is a series of processes for connecting several computerized systems and application software, both physically and functionally. Integrated systems are usually used in companies or institutions, one of which is a clinic / hospital. An integrated system is really needed in clinics / hospitals because of the many orders made by patients. If completed manually, it will take a long time to complete. With the Clinic / Hospital integration system, it will be able to help the performance of the patient registration process who has no choice but to come in person.

In addition, the data stored in the system is guaranteed compared to using manual methods. By searching using the shortest path method, patients can find available doctors at the nearest clinic / hospital from the user. The shortest path method has also been supported by the google maps application which will help patients to find out the location of the clinic / hospital. In the form of available routes, the distance and time required from the clinic / hospital to be selected. With this clinic / hospital booking system, it is hoped that patients will be helped to make an order (booking) to the nearest clinic / hospital from the user.

Keyword : Integration system, clinic / hospital booking, Shortest path.