ABSTRACT

DEVELOPMENT OF VIRTUAL REALITY-BASED VISITOR SERVICES GUIDANCE APPLICATION AT CICENDO EYE HOSPITAL BANDUNG

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With the number of rooms, facilities, types of services, procedures, and administrative requirements possessed Cicendo Eye Hospital Bandung, visitors and patients often do not know what services are available, the facilities provided, where the location of a room or facility, and choose the wrong route to room or facilities. The number of officials and media that there is still not able to provide information - such information properly.

Applications built has some features that consists of a collection of information about hospital services, referrals shortest route to a place-based 3D using Dijkstra's algorithm and QR Code technology, as well as visualization features complete facilities using the concept of virtual tour. This application is based on the Android mobile platform.

Based on alpha and beta testing can be concluded that the applications are built can help patients and visitors in search of information about facilities, services, procedures and administrative requirements in hospitals. This application helps officers and complements existing information media, helping to provide visualization and completeness of the details of the hospital facilities, and can provide the shortest route guidance toward a room or facility properly.

Keywords : Virtual, Reality, Rute, Dijkstra, QR Code, RSM Cicendo