

ABSTRACT

Activities based on the health sector are very important activities among the wider community. As evidenced by the data from the Statistics Indonesia report, there will be 11,874 units of health facilities in Indonesia in 2021, which is an increase of 1.27% compared to the previous year, which was 11,724 units. However, the fact is that many health facility units do not use technology to support their business. Hence, patients who want to interact with doctors have difficulty finding existing health service units. The number of internet users in Indonesia reaches 338.2 million, encouraging Diklinik startups to develop applications so that the web can be used easily by many people. The activities that are too monotonous are experienced by doctors in carrying out services. Doctors have to always go to the hospital to undergo treatment. The features contained in the Diklinik application are consultations with doctors and home care features so that patients can directly meet with doctors and doctors can undergo marriage without going to the hospital. The development of the Diklinik application uses the PHP programming language for writing code, the Laravel framework to facilitate development, and the iterative incremental method to divide the development process into several clear stages. In the application of this method, each iteration produces a product in the form of a web-based application that is tested using black box testing to test the application's functionality. The results of the test show that the Diklinik home care startup feature web application is ready to be implemented to help health service users make it easier to use health services in one application.

Keywords: *health, home care, startup, web application, black box testing, iterative incremental*