

ABSTRACT

Medical records are files that contain the identity, history, and disease of patients. Generally, known medical records are still in paper form. With the increase in patients every day at the hospital, along with the increasing medical record. As a result, it takes a long time when looking for medical records that are currently still in the form of piles of paper. So that requires extensive storage media to store patient files. At present the hospital has implemented an electronic-based medical record that is used for the administration of patient demographic data in the inpatient department.

Therefore, to support better health services, technological development innovations are needed as a solution to overcome the problems currently being faced. Namely the application of electronic-based medical records in hospitalization. By implementing an electronic medical record, this is very beneficial when exchanging data with other medical personnel. So that medical personnel do not need to take a long time in receiving and sending patient medical records. To be able to adjust the format of data exchange with other health agencies in the future, a special standard for data exchange in the world of health is needed, namely FHIR (Fast Healthcare Interoperability Resource). In this study, the data structure used is patient data, doctor data, and inpatient data.

This research method uses Scrum. The output is in the form of an electronic medical record website application using the PHP programming language with the Code Igniter framework.

Keywords: medical record, electronic medical record, FHIR, SCRUM, hospitalization