

ABSTRACT

Puskesmas Kota Manna is one of the health service units in South Bengkulu. In the health service process, a document is made to record the results of the patient's examination in the form of a medical record for each patient visit which is done manually. The obstacles faced from the manual process are still documents that have not been filled out completely and the risk of damage from the use of paper in recording medical records. These constraints, affect the decline in service quality, because medical records are one indicator of the quality of health services. Therefore, this final project was carried out to obtain an e-archive design that helps the Manna City Health Center in the process of documenting and managing patient medical records using the SECI method.

SECI method is used in the knowledge conversion process which gives results in the form of useful knowledge for the design of e-archive medical records at the Puskesmas Kota Manna. The stages that are passed are socialization, externalization, combination and internalization. The e-archive system that is built is a website system created using the CodeIgniter framework with database is MySQL. The system testing is carried out by black box testing of all functions on the system and user acceptance tests to validate the system to the user.

The result of this final project is an e-archive of medical records for the Manna City Health Center. E-archive can carry out documentation and management of medical records in an integrated manner as well as a place to store medical record documents. The information contained in the e-archive system is patients, doctors, users, types of services, drugs and patient examination results in the form of medical records.

With the e-archive, it can help simplify the process of documentation and management of medical records at the Manna City Health Center. However, in the process of implementing e-archives, it is necessary to pay attention to aspects of people, equipment and information because of the difference between the current and proposed conditions.

Keywords— e-archive, health record, puskesmas, SECI