Design and Construction of Web-Based Electronic Medical Records in General Polyclinics at Besuki Community Health Center
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ABSTRACT

The outpatient service flow at Besuki Health Center still uses manual medical records in the process of recording patient service history because there is no electronic medical record. Besuki Health Center does not yet have a system used to back up patient data. Incidents of losing patient medical records (misfile) still occur, such as duplication of medical record numbers and errors in placing patient medical records, resulting in the patient identification process also experiencing obstacles, namely the long waiting time for patients. The high number of visits to the general polyclinic has resulted in the performance of polyclinic officers, namely nurses and doctors, in providing optimal service quality. The purpose of this study was to design a Web-based electronic medical record at the general polyclinic at Besuki Health Center. This study used the waterfall method with data collection techniques in the form of interviews, observations, documentation, and brainstorming. The results of this study are in the form of a web-based electronic medical record system and have been successfully run during the system testing process using blackbox testing. The system that has been created is adjusted to the recording needs so that it is expected to help in the process of providing better patient services and can improve the quality of health services in general polyclinics at the Besuki Health Center.

Keywords*: Design, Waterfall, Electronic Medical Records, General Polyclinics*