ABSTRACT

DESIGN SYSTEMS MEDICAL RECORD CLINIC PATIENTS DOCTOR PRACTICES

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The design of medical record system of clinic patient of doctor's practice is the most important part in the process of medical counseling in medical practicing clinic, medical record system is aimed to manage data of diagnosis history of patient's treatment. Processing and storage of medical records records physicians accustomed to using handwritten diamplop. Problems that occur in this medical record method is the envelope that brought the patient every treatment is often lost and damaged. Envelopes only store one disease data only so there is no known history of the disease as a whole. As a result doctors will be difficult in performing medical record data of patients because there is no history of the disease as a whole. So in this study made Medical Record System in Practice Clinic Doctors who can keep the original handwriting doctor in order to assist doctors in recording medical records and diagnose patient illness.

The proposed method of analysis and design uses object oriented concepts and presented by Unified Modeling Language (UML) notation by creating diagrams such as usecase diagrams, class diagrams, activity diagrams, sequence diagrams as the design stage of the system. In the development of this medical record system using PHP programming with laravel framework that will later be integrated into android applications. In this study waterfall method of requirement analysis, design, coding, and testing. Testing with black-box testing method based on application functionality.

The results of this study is an android application that can save the handwriting doctor into the database. With this application is expected to assist doctors in the process of recording data medical record data, simplify the search data, as well as management of medical record data more structured compared with the management manually.

Keywords: medical record, waterfall, patient, clinic, doctor.