

***Design and Development of Web-based Outpatient Electronic Medical Record
in Primary Clinic Kimia Farma Jember***

M. Choirur Roziqin, S.Kom., M.T (Supervisor 1)

Adinda Dwi Ajeng Prameswari

*Health Information Management Study Program
Health Department*

ABSTRACT

Medical Records are confidential documents, so that in its implementation it is necessary to have an integrated and complete recording of medical record data. Kimia Farma Jember Primary Clinic carries out manual recording of medical records, retention has not been implemented and a high visit rate of 20416 in 2021 causes the available storage space to be insufficient to accommodate medical record files, and recording the use of RM numbers and patient visit reports using Google sheets. Based on this statement, the recording of medical records was not effective. So it takes an electronic medical record which includes the process of recording medical records electronically, reporting and retention of medical records. This research is a research and development by applying data collection methods through interviews, observation, documentation, and brainstorming. This design uses a prototype system development method which consists of stages of user needs analysis, prototype making, prototype adjustment, program development, testing and evaluation. Stages of analysis that is through analysis of problems and system requirements. The prototype stage uses a flowchart system, Context Diagram, DFD, and ERD. The prototype adjustment stage uses the brainstorming method. The stage of making the program uses Bootstrap, MySQL, Codeigniter, and PHP programming languages. Stages of testing using blackbox testing. The system evaluation stage uses brainstorming. The result of the research is a web-based outpatient electronic medical record that can simplify and solve problems in the administration of medical records.

Keywords : *Electronic Medical Record, prototype*