IMPLEMENTATION OF MOBILE WEB-BASED PREGNANCY HEALTH SYSTEM BASED ON MOTHER AND CHILD (KIA) EXAMINATION (Case Study: Ibnu Abbas Bantul Clinic)

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ABSTRACT

Ibnu Abbas Clinic provides medical services by having Maternal and Child Health service facilities or obstetrics polyclinics. Ibnu Abbas Clinic experiences obstacles because there is no health information system for pregnant women. Recording and reporting so far still use the KIA book where in recording and reporting data specifically for pregnant women still use a manual system in the form of paper or books where pregnant women have difficulty understanding health information. The registration process for outpatients at the Clinic is that new patients or old patients come to take a queue and register at the intended polyclinic, this activity takes a long time in the registration process. Therefore, this study aims to implement a pregnancy health information system based on Maternal and Child Health (KIA) examinations based on mobile web. The stages of the research flow that contain structured and systematic stages are needed in a study such as problem identification, data collection, system analysis, system design, system implementation, and system testing. With the problem analysis stage and functional system requirement analysis, the design stage uses system design tools, namely Data Flow Diagram (DAD), context, ERD and relation diagrams and uses the python programming language and mysl database using xampp, system testing uses blackbox testing. Based on the stages that have been carried out, the database testing system with test cases has been successfully built from blackbox testing. The results of the study indicate that the pregnancy health system based on maternal and child examinations (KIA) based on web mobile has succeeded in meeting expectations, the accuracy test of the system results obtained a level of conformity of 81.81% which means that the system has succeeded in meeting the expectations and needs set.

Keywords*: Health System, Pregnancy, KIA, Web Mobile, Ibnu Abbas Clinic*