

ABSTRACT

The design of this android-based mobile application is made to record and store data on the results of the health examination of pregnant women and the results of the postpartum examination, making this application is expected to help overcome the problems that occur about how to record data on the condition of pregnant women to make it easier, faster and can save data on the condition of pregnant women every time they carry out health checks. The problem-solving method used in this application is the waterfall method, which starts from the literature stage, data collection, system design, implementation and testing, evaluation, and improvement to the document creation stage. Therefore, a mobile application is proposed that can help record the obstetrical examination process, so that it can manage patient data more quickly, up to date and reduce the occurrence of errors in inputting and reading pregnant women's data.

The system design of the application is by applying the Android MVVM (Model, View, ViewModel) and using the Firebase database as a data storage medium which is then implemented and tested with functionality testing methods and user requirements testing.

Based on the results of the implementation and testing of the application, it can be concluded that the application development has been in accordance with the design and test results which indicate that the user strongly agrees with the application of the application.

Keyword : monitoring, mobile android, pregnant women, health of pregnant women, postpartum