ABSTRACT

Posyandu Plamboyan VI is a health service unit tasked with providing maternal and child health services (KIA) in the RW 06 area of Sukapura Dayeuhkolot Village. Currently, the data management process at Posyandu Plamboyan VI is still done manually by recording data into an agenda book. This method is considered inefficient because it causes difficulties in the data management process of Posyandu Plamboyan VI. To overcome these problems, the authors intend to develop a Web-Based Posyandu Digitization Application. The data in the Posyandu such as child data, weighing data, immunization activity data and others can be stored online. This application is used by parents, posyandu cadres and midwives to enter data on activities carried out at the posyandu. The development method for this application uses the Software Development Life Cycle (SDLC) method with the Waterfall model. The modeling tools used in developing this application are Business Process Modeling Notation (BPMN), Unified Modeling Language (UML), and Entity Relationship Diagram (ERD). For application development tools using Codeigniter, Hypertext Preprocessor (PHP), Hypertext Markup Language (HTML), MySQL, XAMPP, Visual Studio Code, and Web Server. This study aims to develop an application that provides information on activities at the posyandu in the form of a website (web-based application) that can be accessed by cadres, posyandu midwives and the community. The result of this research is a posyandu information application that can be used by posyandu organizers. It is hoped that this application can be useful in managing data on posyandu activities and delivering information on posyandu activities.

Keywords: Posyandu, Application, Cadre