

ABSTRACT

Posyandu can be said as one of the public health service institutions, most of which are still lagging behind in facilities compared to hospitals in general. Posyandu or can be called the Integrated Service Post is one form of activity in the Community-Based Health Efforts (UKMB) carried out by the community to provide convenience and direction to the community in obtaining maternal and infant health services. Data processing at posyandu is still manual in which all data is obtained and written on paper media, so that it can result in file accumulation. To overcome these problems, a new method is needed to process data manually into a computerized system. The system is in the form of a "Web-Based Digital Posyandu Application" where this application makes adjustments to the baby's weight and length measuring instrument, to retrieve data from the device, using the ESP8266 wifi module which will be installed on the Arduino in the weight measuring device. body and the Raspberry Pi will be attached to the baby's length gauge. This ESP8266 and Raspberry Pi Wi-fi module will send data to a web via an API. If the baby's weight and length have sent data to the web application, the web application will monitor and display the data it gets. The system to be built is that this application is not only accessed by posyandu officers but parents of babies can access it which functions to determine the growth of the baby.

Keywords: Posyandu, ESP8266 Wi-fi Module, Raspberry pi, API.