ABSTRACT

This study describes the problems that occur in the posyandu which still uses books to record the results of measuring the height and weight of toddlers. This causes problems like data loss, data redundancy, corrupted data and takes a long time to find data. Therefore, co-authors conducted research to overcome this problem by making a toddler height measuring device based on the length of the soles of the feet on digital scales and the authors created a web that uses the IoT-based Laravel framework using the HC-SR04 ultrasonic sensor for toddler data collection.

The method used is to use the Laravel framework and a web database system using MySQL and connected to IoT using the NodeMCU ESP8266 microcontroller component from the Ultrasonic HC-SR04 sensor which will be implemented on a special digital weighing device for toddlers to the database to get height and weight measurement results. toddler. It is hoped that this system can assist the Posyandu implementation process including the input process and recording of results from the Posyandu. The expected results of this study are a MySQL-based web database that can overcome problems in managing toddler measurement data directly without using books at the Posyandu and facilitate reporting and recording of toddler measurement results at the Healthcare Center.

***keywords**: MySQL, posyandu, website, Laravel, toddlers, ESP8266*