

ABSTRACT

Posyandu is known as the integrated service post that is place done every month to give health services to the baby's. Posyandu's efforts in supporting various kinds of basic health services, One of them is to help record the baby's weight that wass the still carried out by scale which was the measuring tool used to weigh the baby's weight that is still done manually. By making a weighing tool based on Arduino uno that designed using a box or container with load cell sensor with maximum capacity of 20 kg which is connected to the HX711 module so it can detect weight in babies that can be seen using serial monitor for the results of weight measurement in babies. This tool is made to build a system for measuring weight in babies based on Arduino Uno that can send data from the measurement with the esp8266 module and processed through the application.

Keywords: Arduino uno, Sensor load cell, Modul esp8266.