

ABSTRACT

The administration system for patients at Klinik Sehat still uses manual methods. Each patient who enrolls will be handled by the administrator with a registration system that is still written on paper. The administrative process can take a long time and make the data generated is not accurate enough. The system is created using the Arduino UNO microcontroller connected to ESP8266 as an intermediary for connection to the Mysql database and the Fingerprint sensor representing the ID of each patient to be treated, from the patient ID can be displayed medical record of the patient to be treated. This system can read the fingerprint quickly and the accuracy rate reaches 100%, each patient only register one finger as ID and if the finger is wound then administrator will register another finger from that patient as new ID. The ID will be the password to login manually. This system can minimize paper usage and improve administrative process efficiency.

Keywords: Administration System, Arduino UNO, ESP8266, Fingerprint, Mysql.