

ABSTRACT

Puskesmas is a unit of health sector. With this community service, it is unfortunate because the queue system at puskesmas bojongsong still uses manual queuing system, so there are some of the patients whose queue is missed.

As for some public facilities that have been using computer-based queue calling system. Therefore in this final project designed a modern queue system using Arduino, seven segment LCD, DF player mini, speaker and printer system. Testing starts from push button queue, push button caller, print queue number, speakers up to lcd seven segment with 100% success percentage work.

The next test of the MOS (main opinion score) by taking samples from the patient to the bojongsong health center employee with a 38.5% success presentation stated the writing of the sequence on the paper clearly visible, 46.7% said the sound of the speaker sounded clear, 53.3% Declare the result of queue number on ticket and seven segment display, 56,7% say voice of caller to function properly, 60% stated result of casing layout implementation in queuing system is good, 63,3% agree with all things suitable delpan can run With good functionality in the queue setting, 69.2% stated the speaker's voice clearly, 76.9% stated the tool in the queue process, 100% stated already understand about the queue caller system automatically. This tool has a sequence number from 1 to 99, if the serial number has reached number 99, the system automatically repeats that is from the number 1.

Keywords: Arduino, seven segment, printer system, DF player mini