ABSTRACT

Indonesia is one of the largest Muslim-majority populations in the world. In

2020 the Ministry of Religion stated that the Muslim community in Indonesia

reached 229 million people from 276.3 million people. The mosque is a

worship activity for Muslims in Indonesia, where all mosques have charity

boxes as a means to donate to Muslims. Mosque administrators always provide

comfort and security for mosque congregations for all forms of activities and

activities contained in the mosque environment. To achieve this, it is necessary

to have financial assistance from the congregation of the mosque and the

surrounding community who give it directly to the mosque management or can

also include infaq and sadaqah in the mosque's charity box. In Indonesia theft

of charity boxes at this time is increasing due to the economic crisis and low

human resources so that someone is compelled to commit theft of charity

boxes for their daily needs. In order to prevent and minimize the theft of

charity boxes carried out by someone who has bad intentions, the researcher

will develop a security system on the mosque charity box by using a fingerprint

system (Fingerprint) as a security system and a Microcontroller as a controller

of a series of systems installed in the charity box. And also researchers will

provide SMS notifications to numbers that have been registered into the

SIM900 module that has a sim card installed.

Keywords: Mosque, Charity Box, Fingerprint, Microcontroler

ii