

ABSTRACT

By
ERSA ATHAYA INSYIRA

When visiting the mosque, of course, a familiar situation is found for pilgrims to get facilities in the mosque such as air conditioning (AC) or fans, adequate lighting and so on. These facilities are indeed presented to worshippers who come to the mosque so that they can worship solemnly. But often when praying in congregation, the temperature inside the mosque feels hot because before prayer, the cooling device or fan is not turned on so it feels hot. Based on the above problems, the researcher wants to create an automatic system and remote control of electrical equipment at the mosque Masjid Al-Musa Segala Mider with the title "IMPLEMENTATION OF MOSQUE ELECTRONIC EQUIPMENT CONTROL". The working system of this tool is in scheduling lights and fans, researchers use RTC DS1307 so that when prayer hours arrive, the lights and fans will automatically turn on, based on the test results, it can be known, namely Prayer scheduling is used as a control of electronic devices in the form of lights and fans, at the condition that the prayer time begins, the lights and fans will turn on automatically then after 30 minutes from the prayer time is over, the lights and fans will turn off automatically.

Keywords : Mosque, Schedule, RTC