

ABSTRACT

Printing a document is very difficult to do if the process is a lot, such as connecting printer device into a computer or laptop, and even had to move the document that you want to print from a USB drive to a computer or laptop, it is clearly a problem if a person want to print the document does not have device connected to the printer.

With the Internet technology, a job or Activity can be done anytime and anywhere, including in the process of printing a document, how if printing a document can be done with wireless technology printer?, In this final project conducted a study on applying technology Internet of Things (IoT) on a smartphone using mobile applications. The mobile application's function is to send a document to a database in the cloud server to be printed by a printer device that is already connected by Single Board Computer (SBC), so that the process of printing a document could remotely.

The output of this thesis is a mobile application created for a wireless printer system capable of sending the document and storing them to a database in the cloud server. And when the SBC device download the document, cloud server is ready to send the document to the SBC devices are already connected to the printer for printing.

Keywords: *Android, Mobile Application, Cloud Servers, Databases, IOT (Internet Of Things), SBC (Single Board Computer).*