ABSTRACT

Almost all people using the printer to print and if they want to print document from computer, they can use the media wired or non-wired into printing device. But when user is not at home, college or office they but if there are documents that need to be printed, it will be difficult. Users want to print documents directly from Google Apps, smartphone or laptop with ease.

In the development this Last Project, Cloud Print will be build on the Liux Operation System with Raspbian are integrated into the Raspberry Pi. The execution will started with to installed the operation system Raspbian to Raspberry Pi and also installed the OpenWrt to TP-Link router. Then to doing configuration Raspbian and OpenWrt, connect the Raspberry Pi with the printer to the router to provide Internet access and last test print documents via smartphones and laptops.

The result of this final project to make users can print documents over the Internet with smartphones, laptops and cloud. The results of documents successfully printed can be watched on video streaming.

Keywords: Cloud Computing, Print Server, single-board computer, Raspberry Pi, OpenWrt, Webcam