ABSTRACT

This final project aims to regulate and limit the power consumption of buildings such as homes / offices due to the many cases of irregular power consumption and causing excessive monthly electricity bill and can be monitored and controlled by android from online users.

Because this final project refers to the development of an existing system, the project develops several things, one of them an interface based on android.

At the end of this project an interface was created on home automation systems that could be monitored and controlled with the results of delay testing and QoE (Quaility of Experience) analysis through MOS (Mean Opinion Score) with a MOS value of 4 (Good).

Keywords: *monitoring, interface, android, online, QoE (Quaility of Experience), MOS (Mean Opinion Score)*