ABSTRACT

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RANCANG GERBANG OTOMATIS MENGGUNAKAN JARINGAN WIFI BERBASIS NODEMCU.
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(v + 20 + Appendix)

An automatic gate based on NodeMCU is a gate that opens automatically when someone is interrupted, and not manually opened with the gate handle. Automatic gates have been widely used and needed by millions of humans. However, in making automatic gates it costs a lot. In this final project, an automatic smart gate prototype is designed that is simple and economical and can work well. This automatic smart gate works by utilizing the NodeMCU microcontroller as a controller system, BLYNK as a signal provider, servo motor as a driving system. This automatic gate prototype has 2 notifications when it's open using buzzer and led. So, this gate can be opened from 2 directions. The gate will automatically open when given a signal by BLYNK via a smartphone using a wifi network and close again when given a signal by BLYNK.

Bibliography (2015 - 2016)