

MONITORING TEGANGAN DAN ARUS LISTRIK ALTERNATING CURRENT PADA SMARTPHONE ANDROID BERBASIS ARDUINO UNO
(ALTERNATING CURRENT VOLTAGE AND ELECTRIC FLOW MONITORING ON ANDROID SMARTPHONE BASED ON ARDUINO UNO)

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ABSTRACT

The role of electricity is very important for every layer of society, even electricity is also needed as a means of production and for everyday life, Monitoring AC Voltage and Current (Alternating Current) on Android Arduino Uno Smartphones is designed to replace electrical and manual energy measurement systems This device consists of sensors, microcontrollers, bluetooth modules and displays. The sensor part consists of a ZMPT101B voltage sensor and ACS712 current. Microcontroller used Arduino Uno which will process sensor results, bluetooth module HC-05 as arduino connector with android smartphone, and the last part of the display uses an android application to display the output data from the sensor.

Keywords - Electric Current Voltage Monitoring, Arduino Uno