

***SOLAR RADIATION PARAMETER MONITORING SYSTEM AND WIND
SPEED USING DATA LOGGER BASED ON ARDUINO UNO***

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ABSTRACT

Solar panel parameters were able to be monitored directly. The parameters are voltage, current and temperature. This study utilizes data logger to assist the process of solar panel data retrieval. The data logger system used arduino uno module, data logger shield, real time clock, SD card, voltage sensor, current sensor and temperature sensor. This study used Research and opment (R & D) method. The data logger used in this study has a capacity of 2 Gigabytes SD card. This study has successfully monitored the parameters of solar panel in real time and the sensors readings were stored into the SD card in form of TXT files every 10 minutes.

Keywords : Solar panel, Data Logger, SD Card, TXT