ABSTRACT

Solar cells are devices that can travel directly to sunlight into electrical energy. Currently solar cells have been widely used in everyday life. The average solar cell is generally static. This makes the absorption of sunlight by solar cells less optimal. So that the absorption of sunlight by solar cells is more optimal, then the solar cell must always be for the sake of the movement of sunlight. This research discusses the Dual Axis Solar Tracking with Arduino-based Type 2 Fuzzy Method to get maximum solar energy. This system will make solar cells move. The direction of sunlight, allowing maximum sunlight. In order for solar cells to move sunlight, a control system is needed automatically. The main control using Arduino that gets the value from the LDR sensor is then processed. With a visual measurement method can be seen the difference in the results of solar cells by tracking solar cells, from the comparison solar cells are more optimal than solar cells.

***Keywords**: Solar Cell, LDR Sensor, MG966R Servo Motor*

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