

## ABSTRACT

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*The development of technology and electronics is rapidly increasing, including an electrical power source. Due to the power crisis as evidenced by the frequent power cuts in some places, we need a system that can be used to increase the production of electricity. The hybrid system is a system that utilizing two alternative energy sources are developed by utilizing the resources of wind power and solar power that will be combined with diesel generators as back-up power, during the day the wind speed will be used as a source of electrical energi and storing solar thermal energy which will be used as a source of electrical energy at night. The sistem allows the power storage and power conductors that can move from one power supply to another power supply by the light intensity.*

*Keywords: diesel generator, hybrid sistem, wind generator, solar, power suply.*