

# **EVALUATION OF THE EFFECT OF INSTALLING SERIAL REACTORS WITH ELECTRICITY LOAD ON LOW POWER INSTALLATIONS TO INCREASE ELECTRICAL POWER USAGE CAPACITY**

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## **ABSTRACT**

*Many people during the corona pandemic are looking for ways to save money so that they can continue to live this life, the desired savings target is the use of electricity which is widely used for daily needs, while on the other hand there is the issue of simple tools that can save and improve power consumption capacity. The method used is an experiment with system load power analysis. The results obtained with the reactor cause the load current to decrease so that the power drops and the MCB (miniature circuit breaker) becomes stronger because it does not trip. The effect of installing the reactor can save power with a percentage of 11.896 % according to the reactor settings.*

**Keywords:** *Power Saver, Power Booster and Series Reactor.*