

**FORECAST ELECTRICITY CONSUMPTION IN MALAYSIA
USING ARTIFICIAL INTELLIGENCE**

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ABSTRACT

This project focuses on forecast of electricity consumption in Malaysia using artificial intelligence. From the world market, electricity consumption depends on the electrical usage of a bunch of society. Electricity consumption should correspond to the current demand because the production of excess electricity and the reduction of electricity can cause economic loss. Almost of the large scale, it is impossible to do complete inspection because the time and cost increases drastically with increase in number of samples. This has created a need for a system that can inspect the components automatically with less cost and less time. The ANN will generate the pattern and predict the future pattern of electricity consumption. To improve the result of ANN model, the optimization method was used to optimize the forecast. As the result, the range of electricity consumption is obtained.

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