

## ABSTRACT

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*Self-energy fish feed throwing machine using IoT and RF-based solar panels. Advances in technology are very rapid, making every human race to keep up with the times where once human life was very simple, now it is a very modern life. The development of increasingly advanced technology cannot be separated from the role of electricity. Excessive use of electricity can have a negative impact on the earth. Currently, feeding generally still relies on human resources who are still manual and use conventional electric power. Therefore, a tool is designed to feed fish that can work automatically based on the time or schedule of feeding fish that has been set on the android application. This IoT-based fish feeding machine can be operated through an android application. For the power supply of the fish feed throwing machine, independent energy is used using solar panels that are connected to the Solar Charger Controller. The electrical energy produced by the solar panels will be controlled through a relay as a regulator of the power supply that will be used and which will be charged.*

*Keywords: Ejection Machine, Solar Panel, Relay, Radio Frequency, Android Application*