

## ABSTRACT

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*Floor electric energy producer is an electric generator that works by relying on a footing where every time an object passes through this tool it will turn on the motor. The motor is assigned to move the generator which from the generator itself will generate electrical energy, the electrical energy generated will be stored to the battery and from the battery will be used as output that can be used for other purposes. For the development of this tool itself uses various supporting components such as Arduino Uno as microcontroller, PING sensor for detecting objects or objects passing through this tool, DC motor and generator as source of energy energy, volt meter as voltage generator, relay as connecting And battery breaker and charger balancer. For charging each battery it takes 5 minutes alternately for charging on each battery. While for the use of batteries in pengembanagan this tool still felt less for the power capacity used and to overcome it all needed additional power or capacities on each battery to be used efficiently. For charging on electrical floor generator equipment is still constrained during charging on battery 1 and battery 2. Where at the time of charging the battery acceleration and deceleration, when at the time of charging from 1-50% experience acceleration and when The battery is charged from 50-100% slowdown for battery charging.*

*Keywords: Renewable Energy, Electric floor, Generatoor, PING Sensor*