

## ABSTRACT

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*Water is energy that is very easy to obtain, especially in Indonesia, which is a water country. There are so many benefits that we get from this energy, one of which is used by using wave or water power plants. This generator is very helpful for providing electrical energy for areas where there is no electricity input but close to the sea where the waters are quite large. This water power plant has several main components such as generators, batteries, and inverters. Water Flow Sensors and Generators have the role of the first stage, namely generating kinetic electricity. The generator will rotate because it is connected to a rotating propeller driven by waters. Then a generator connected to a propeller will convert the kinetic energy into electricity. The DC current from the generator is converted into AC current with diodes so that the electrical energy produced by the generator can be stored in the battery (battery). The battery works to store energy. After that, the charging module that functions as charging the battery (battery) will charge the battery (battery). Then connected to the Power Inverter for output.*

*Keywords: Water, generator, battery, inverter*