Abstract

Energy harvesting or harvesting energy is a process where energy comes from external sources such as the sun or the sun, heat, radio frequency (RF) waves, and other electromagnetic waves that emit signals. The advantage of utilizing energy harvesting from batteries is that the energy sources for the harvest will never run out and there will be little or no adverse environmental effects. Internet of Things (IoT) is an object that can send data through networks without involving humans to humans or humans to computers. The use of the Internet of Things (IoT) very much needs resources in understanding the components that are in it. Alternative energyproducing solutions that can be generated directly electricity will be stored in the power bank, the electricity generated comes from micro-hydro plants. Harvesting Energy is used here to run the existing system. The results of tests carried out are running monitoring without charging and carrying out monitoring monitoring from the micro hydro generator so that to spend the battery from 100% to 0% takes 82.22 hour.

Keywords: Harvesting Energy, Water, Internet of Things, Micro Hydro Generator, Battery.