

ABSTRACT

Energy harvesting is a term for energy produced from sources that would usually be dissappear such as light, heat, vibration, pressure and even movement. Children's playground are one of the places that are visited a lot and the development of playground is increasing and currently spread out, where there are many games that can be utilized for the application of energy harvesting. Utilization of energy harvesting is expected to be a solution of the limited availability of fossil fuels. It is very possible to make the playground as a place that has the potential to become an alternative source of energy. One type of energy harvesting that can be applied to this playground is to convert preassure energy into electrical energy (piezo to electrical).

Keywords: Harvesting Energy, Piezoelectric, Microcontroler, Green Energy