

ABSTRACT

Rectifier antenna is an antenna that is integrated with a rectifier circuit that has the ability to convert RF waves into DC voltage. Microstrip antenna in the rectifier antenna can function to capture AC waves which will later be converted into DC waves. the electromagnetic harvesting concept is applied to the wireless switch circuit in which there is a battery to store the output voltage of the rectifier circuit. The design of electromagnetic harvesting circuit components is obtained through circuit simulation and for the design of wireless switch circuit components obtained from the Interface, Pheriperal, and Communication courses.

Keywords: Electroagnetic Harvesting, Rectifier Circuit, Antenna, Wireless Switch