ABSTRACT

Internet users is growing everyday ranging from minors to adults. The use of Wireless Access Point is now widespread throughout the entire city. Many of the wireless access point provides a free internet that people connected can use, especially in places such as restaurants, hotels, public services and universities.

In general, USB chargers is a device to charge a phone's battery. Using this device, I modified the USB charger by adding a small micro controller called Teensy and a wireless NodeMCU inside the USB Charger. Teensy and the NodeMCU functions as a transmitter to create a wireless access point while the USB Charger acts as a power source for the teensy and NodeMCU.

The result of this research is that the USB Charger can be modified to function as a transmitter for a wireless access point changing the initial function of USB Charger from charging phone batteries. The voltage of the USB Charger before and after connecting teensy sees a decrease of 0,89% while the current of the USB Charger before and after connecting teensy sees an increase of 0.78%

Keyword : USB charger , teensy development board, fake access point