

ABSTRACT

Anita Veni Andriyani, **“DESIGN OF WEB SETTOPBOX APPLICATIONS CASE STUDY : SOLUSI 247 YOGYAKARTA”**, 2017.

In this modern era, the development of technology and information is growing very rapidly, proven in recent years that has created new innovations in the field of IT (Information Technology) which is very helpful in human work easily, quickly and efficiently. One example is in the field of IoT (Internet of Thing).

The results of this research is to explain about “Design of Web Settopbox Applications”. Settopbox is an Internet of Things application that allows in identifying viewer habits or television users by using a tool in it, which contained a microcontroller and camera sensor mounted on top of the television. The result we get is by knowing one’s facial expression and one’s habits while watching television, making it more efficient in analyzing other needs such as television showtimes television to air, television ad schedules running, where ads must be aired, a person’s reaction while watching television, a person’s reaction while watching an ad and whether the television viewer will be interested in the good or services advertised. Then the data will be sent to the server by using the mqtt protocol, after which the data is sent to the website using web socket to analyze and can generate a decision for when the show and ads will be aired.

Mastering the material in web design is crucial in the success of the website so it can run well and more beautiful in the view. In order for the design to get maximum results in the required data collection must be complete and specific that can understand for the needs, so that when users use the web application can immediately understand what the purpose and objectives are conveyed.

Keyword : Television, IoT, Web Design.