

## **ABSTRACT**

*Development technology nowadays is growing. All tools should be controlled by a controller (remote control). Many of people who get irritated when watching television during bad weather conditions. Big rain and big winds often change direction and make the television antenna that was watching her favorite show should fix the antenna by climbing onto the roof of the house. Roof is sometimes made of moss-covered roof became slippery. It often makes people fall from the roof of the house that makes people injured and even die.*

*At the end of this project will be directional antenna that is one way to help change the direction of an external antenna that can be set by humans from a distance using remote control. The controller is based on infrared and DC motors for movement direction. These controls can regulate the movement of the antenna direction to the rotations movement has.*

*Overall antenna performance regulator has shown results according to design an antenna that can be controlled from far away about 8 meters which is receiver is not block with an invisible thing. Where rotation is made on the remote that consists of 15 degrees and 45 degrees to the right and left.*

**Keywords:** *remote control, receiver, DC motor*