

ABSTRACT

The success in the production process of an event program is not only seen from the attractiveness of the program's basic concept. But it is also supported by good image capture from a cameraman. To make it easier to take pictures, a drone line follower can be a solution to this problem. The DJI tello drone used in this final project is equipped with a camera. The camera will be programmed using the image processing method so that it can detect lines or other objects so that the drone can move without having to be controlled. The drone will be connected to a laptop via wifi. After the drone takes off, the camera immediately runs image processing. The camera works to detect objects and then sends commands to flight control. After sending the command to flight control, the command will be sent to the ESC and the motor to move the drone according to the object detected by the camera. So that it can be used in the shooting process without having to be controlled by the cameraman.

Keyword : Dji Tello, Image Processing, Line Follower