

ABSTRACK

Hand Pose Recognition (hand movements) can be used as a modern technique for interacting with machines. Hand gesture recognition has been an interesting area of research in computer vision. In this study, hand pose control will be carried out using a gimbal camera. The system is expected to be acceptable in recognizing hand posture from input because it is processed in real time. Therefore, Hand Pose Recognition is one of the methods to reduce physical contact between humans and machines that help with daily work. The problems in this study are how the camera can detect hand movements with precision and how to control the gimbal camera using hand pose recognition. By doing this research the authors get a solution that is by classifying using the CNN (Convolutional Neural Network) method on Hand Pose Recognition. In image classification using CNN produces an accuracy of more than 90%, then to control the gimbal camera an image is needed in the form of hand movements which can later detect commands through 5 hand movements that will move the gimbal camera to the left, right, up and down.

Keywords: Hand Pose Recognition. Gymbal Camera . Convolutional Neural Network