

ABSTRACT

At this time the increasing number of car accidents due to the rise of the user in a state of drowsy driving. One of the factors for the category of someone drowsy can be determined based on the state of his eyes. An eye blink indicator. number of blink and how long someone does blink a reference to someone in keadaan mengategorikan sleepy or not. How to apply to the face of someone recording at a certain distance. video recorded with a digital camera avi file is broken down into frames.

From the results of these frames will find the difference in the value of each bite image. Every image in the set threshold value of 40 to distinguish the value of the experience flicker bite or not. So that we can distinguish frames that have categorized image flicker or do not use the frame difference method

In this final project, performed analysis and simulations to know the effect of the difference in frame rate difference blink detection results by using euclidean distance. Later in the hope that this system can read and categorize whether the input video belong to the eye under normal conditions, sleepy or very sleepy.

Keywords: digital video processing, crop eyes, frame difference, euclidean distance.