

# Penjejakan Objek Visual Pada Area Berbahaya berbasis Algoritma *Camshift*

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## Abstract

Visual object tracking is one of the important applications for supervision. One of the most popular methods for tracking visual objects is Camshift because this method has good adaptability at times per frame replacement. In this paper will be discussed about the tracking of visual objects in dangerous areas by using raspi cameras using a tracking algorithm by combining camshift - kalman filter.

The object colors used in this app are black and red, the color here for the object is in tracking and red as a dangerous area. Process information to compare components using OpenCV as a real-time image processing library. Color answers from values ranging from RGB (Red, Green, Blue). The purpose of this app is to detect and determine objects that are in an empty area or not based on the second distance that will be provided if you will find a dangerous object.

**Keywords:** Camshift, Mean Shift, image processing, tracking object.