Aplikasi Kendali Kamera Berbasis Visual Servoing

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Abstract
Many security systems today use cameras to monitor the state of a location. But most exhibitions can only move according to the input and point of view of the limited camera causing the surveillance targets to escape from the monitoring of the camera, especially the targets of moving objects. In this final project will be built a camera that can move automatically to track the moving target. The built-in visual camera servoing control system is a control system that integrates visual information into the camera servo loop to track the moving objects and control of this camera using servo motors with x coordinates. The approach used is image based visual servoing which directly defines error as a function of shifting the trace feature to the desired position and orientation. This feature is used to control the camera so that the imagery feature in the trace achieves a predefined image position.

Keywords: Visual Servoing, image based visual servoing, servo. Camera.