ABSTRACT

One of the most Camera movement in videography or sinematography is parallax shot. Parallax shot is a when a camera slides in one direction while panning the opposite dirrection so that the lense camera focus on one object. To do a parallax shot need a equipment called camera slider. Generally the camera slider operating manually so that the movement unstable and unsmooth especially for parallax shot.

In this final task will be desain and implementation controller camera slider who can do parallax shot and can selected the object focus. System camera slider move in 2 deegree of freedom using 1 motor dc and 1 motor servo. Motor DC used for slide move. Motor servo used for panning move.

After controller and image processing have been design and implemented, it can be seen that when slider moving from one side to other side, the camera always focus on the object. But, when slider moving approach to object, error will increase, and when slider moving distance object, error will decrease again, with error average 13,08333 pixel on object distance 30 cm from slider, 9,9047619 pixel on object distance 50 cm from slider.

Key words **: motorized camera slider, parallax shot, PID**