

ABSTRACT

At the onset, application programming based on text mode, now much application programs have already made by graphic mode, animation and multimedia. Computer graphics use for representing information with visual or graphic to user. Image processing use for manipulating image that first from digital image to object description from the image. To increase edge visualization from image there for edge detection used. The edge from the object have much information that useful for analysis the image. To present 3D object on 2D use projection.

In this end task only focused digital image transformation into vector description of 3D object. Early we need two image 2D that resultant from one simple 3D object (where the edge is orthogonal from one edge to another and one of the edge refer to xz axis). Further made by image processing that need edge detector to easier identifier image shape. By reconstruct the result of 2D into 3D there for we have object 3D from the two image cutted that have been already exist. The edge detector use Compass Mask, because the capability to handle noise from the original image and the performantion is good.

Keywords : Image Processing, Edge Detection, Compass Mask Operator, Image Reconstruction.