ABSTRACT

Remote sensing payload, the result of image capture is likely will be damage due to the movement of payload rocket, one effect from th movement is blured image. Blured image makes difficult the observation of an object and information obtained will be slightly. This way encouraging to make a research about the use of deblurring algorithms solve this problem. Deblurring algorithms will be implemented on a camera system payload using Lucy Richardson algorithm. Camera system will automatically make repair in image. This way the blured image will easily observed and obtain the maximum information from the images obtained. Result from research has been done blured image successfully repaired (deblurring) and transmitted by air to the computer ground segment. Furthermore other image processing such as image cropping and grayscale filter successfully implemented camera module cmucam3+.

Key word : Remote Sensing, Payload, Deblurring, Lucy Richardson, blured image.