ABSTRACT

The rise of science in the image processing technology that can facilitate and help human in technological advices. Currently in assessing the shooting practice still using visual calculation. Addition to need a time and energy of wasted, so that the execution is not maximal in shooting practice and requires a long time when calculations Score. Compared with the method of acoustic or visual, the method of image processing more efficient. Making their own image processing system using Matlab programming language to detect an image taken.

With using the multiple methods in image processing for detecting and assessing the target to assist operators in the field. Using the image segmentation functions in Matlab is very helpful avoid the effects of shadows in the image. On this system which used its own image in the form of a target shooting restricted circle line thickness circle in 0.1 mm with 154 mm diameter. The bullet itself diameter 4,5mm. Percentage rate of error in the application itself 4 % and percentage of 98.01% detection accuracy

When compared to with visually by using the application in determining the accuracy of better value, so level of the error in the calculation is reduced. However, quality of a paper target and lighting bulbs a very affects the image when shooting in doing this method.

Keyword :Shoot score, Detection, Image processing, Matlab