DETECTION AND GLASS'S BLEMISH CLASSIFICATION UTILIZE TEKSTURE'S SEGMENTATION GETS FILTER GABOR'S BASIS

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ABSTRACT

One element of quality control in glass industry is the detection of defective glass. One of the most commonly used detection method is a visual observation by an operator sorting, to separate the defective product from both products. However, this method is less accurate because it is influenced by conditions and operator experience.

In this study, Gabor method is used to detect defective glass. In this method the image of each glass as compared with the reference image to identify defects glass, through texture segmentation. The use of image processing to detect glass defects will avoid the weakness observed visually.

The results showed, Gabor method has very good accuracy, ie 100% compared with the accuracy of the operator who only reached 94.07%.

Key Words : glass's blemish detection, filter gabor, teksture's segmentation.