ABSTRACT

Canned drinks packaging is packaging which is prone to damage due to falling or stricken only heavier items. If found cans that are not perfect are often consumers are reluctant to buy such products. One way to identify damage to cans is by using a webcamera and image processing techniques.
To obtain the identification of damage cans used methods Sum Squared Error (SSE) to find the value of the difference squared error of the sample data and test data. Objects that are canned in capture and then converted into a binary image that will count the number of black pixel value. Total value of black pixels that will be used to find the range of SSE as a reference to identify cans. This research was conducted in the same lighting with different positions.
The results of this process will be declared broken or not broken a package, things that influence in this system is the position change of cans and lighting when performing the capture process, resulting in a black values are different, too.