

Title: CACAOLITY: Classification of the Cacao Beans using the Color Blob Detector Algorithm

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EXECUTIVE SUMMARY

The CACAOLITY: Classification of the Cacao Beans using the Color Blob Detector Algorithm will help both the farmers and the buyers to classify and give an appropriate price for the Cacao Beans. This will use an Android phone and Image Processing to capture the Cacao Beans then the app will analyze and classify it with the help of the researchers' algorithm the Color Blob Detector Algorithm. It will classify by these three diseases of Cacao Bean: The Over Fermented, Purple and Defect. The application counts how many Over Fermented, Purple and Defect Cacao Beans that have been analyze. After it will count, the suggested price per kilo will appear of that particular sample of Cacao Beans.

Keywords: Classification, Android Application, Color Blob Detector Algorithm.