

ABSTRACT

DEVELOPMENT OF A POST HARVEST COFFEE BEAN TYPE IDENTIFICATION APPLICATION USING COLOR MOMENT AND MOMENT INVARIANT

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Coffee beans are a plant that can be served as a coffee drink. Coffee beans have a variety of types during the post-harvest process. However, it is difficult for people to differentiate one type of post-harvest process from another. Currently, different types of post-harvest coffee bean processes are still done manually. To overcome this problem, researchers developed an application to identify types of coffee beans according to arabica, robusta, fullwash, natural, semiwash and honey using invariant moments and color moments. The system will analyze photos from queries and databases. The final result of this research is a post-harvest coffee bean type identification application which functions to help users determine the type of coffee bean. This research still needs to be continued by improving the method by which coffee beans can be identified well and with maximum accuracy, which has its own class in order to produce maximum final results.

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