

***Image Processing for Determining Coffee Bean Quality Classes Case  
(Study of Sumber Wadung Regional Plantation Company)***

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**ABSTRACT**

*Indonesia is one of the countries with a geographical location that is very suitable to be used as a coffee plantation. The location of Indonesia is ideal for the microclimate for coffee growth and production. One of the main plantations in Jember district, the Sumber Wadung PDP plantation uses the determination of the quality class in producing coffee beans. To reduce errors in the quality of coffee beans, a system is needed to determine the quality grade of coffee beans. Use of digital image processing specifically developed to support the solution to the problem of determining the quality of coffee beans and reducing errors in determining the quality grade of coffee beans. The results of the accuracy of the testing of the coffee bean quality class determination system reached 95.5556%.*

*Key word : Image processing, Coffe*