

ABSTRACT

Money is a medium of exchange used and approved by a country to carry out transactions for goods and services. Bank Indonesia issued a regulation on the eligibility of rupiah banknotes so that they could be exchanged for new rupiah banknotes with proper condition where 2/3 of the rupiah currency or 63.33% of the whole rupiah banknote was the limit for whether or not the money could be exchanged.

In this final assignment research was carried out to determine the percentage of integrity of rupiah banknotes by designing a system for the suitability of rupiah banknotes using the canny method, and OCR to determine the text on the rupiah banknotes under study.

From the results of the tests that have been carried out in this final research project, it can be concluded that based on the tests, the results obtained were the best accuracy for the system to determine the suitability of Rupiah banknotes using canny detection with the addition of the OCR feature, obtaining results of 89.211% completeness and 100% accuracy in recognizing the nominal value of the money. scanned rupiah paper.

Kata Kunci: Rupiah paper money, Indonesia banking rules, EdgeDetection, OCR, Eligibility percentage.