

## **ABSTRACT**

*Banknotes is one of the most commonly used payment tools by the community. But undoubtedly many fake banknotes circulating and there are still many people who are less accurate in recognizing the authenticity of the money. This will be bad for people who do not know the characteristics of the counterfeit banknotes.*

*With this problem, in this Final Project will be designed a raspberry-based embedded system that can recognize the Indonesian rupiah banknotes. embedded systems designed using the Scale Invariant Feature Transform (SIFT) method*

*The result of this research is a currency recognition tool that can recognize the nominal currency of Indonesian Rupiah paper and detect its authenticity.*

***Keyword : SIFT , Feature Matching***