ABSTRACT

Currency is a valid payment instrument in each country. Each country has its own currency which is the hallmark of the country and currency in each country must be different from the name, type, color, and size. For people who do not have visual limitations of course it can be easy to know the par value of the denomination and the authenticity of a currency, but of course it will be very difficult for people with special needs such as the blind and the disability.

With this problem, in this Final Project designed an android based Mobile Application that can introduce foreign currency and also know the authenticity of the currency in different way. Aplications designed using the Oriented FAST and Rotated BRIEF (ORB) method can provide information to users about the fractional, authenticity, and name of the currency already entered by the user in the Indonesian language.

With this application users can recognize and know the currency in an easy way. Based on the tests that have been done, this application has an accuracy of 83% and has an average response time for 6 seconds.

Keywords : Currency, Mobile Application, Android, Oriented FAST and Rotated BRIEF (ORB)