ABSTRACT

Somewhere sometimes often found objects, billboards, public facilities writings even explain or write foreign terms as a form of promotion and pemberitahhuan required for an information society. Thus, a lot of people want to know the translation of these foreign terms, but it is difficult to know the translation directly and on the spot.

Of the existing problems, built an android mobile application that uses image processing methods, or commonly referred to as image processing. The final task was made at the android operation system using image processing methods with OCR (optical character recongnation) as functional components for image processing as well as the Tesseract-OCR engine to translate words from a sentence contained in an image that has been processed image.

In this thesis can be seen that the OCR (optical character recongnation) runs fine when the process is done translate, overall systems in this application runs fine, other than that the accuracy OCR (optical character recongnation) in analyzing the character reaches 80% even be very helpful in the success of these applications in processing and translating foreign language.

Keywords: Image Processing, OCR, Tesseract-OCR, library