

## ABSTRACT

*Indonesia is a country that has many attractions, especially in the city of Bandung. In Bandung there are still many motorcycle taxis that use regional languages. Therefore not all tourists do not know the information and it is still considered ineffective. Directions, prohibitions and information are very important tools in a tourist attraction. Because the existence of an information in a tourist attraction can help tourists to understand the prohibitions, directives and rules listed.*

*Therefore we need a translator to translate the writing into Indonesian and English. Thus the translator system is made that can translate words in pictures and then display them with words that can be understood by tourists. The method commonly used for image processing-based character recognition is the OCR (Optical Character Recognition) method to separate per character in photo text. OCR (Optical Character Recognition) is an application that functions to scan images in images and be used as text, and this application can also be an additional support / application for scanners. Translating text directly from images is intended to make it easier for users to not have to type the text.*

*This final project can be used as an image to text processing based translator with an average reading accuracy of 78.25%. And the best time to do the testing is at 12:00 and 16:00. With a minimum light intensity of 138 lux, and a maximum of 5,217 lux. Based on testing conducted the highest average accuracy rate of OCR obtained was 72.5%. Based on the test, the highest level of accuracy in reading capital letters with a distance of 15cm and 20cm in all conditions is 100%.*

**Keywords:** *tourist attraction, translator, tourist*