

ABSTRACT

Nowadays Indonesia has one of the evolving views of the proliferation of various types of smartphones, a mobile phone that is able to replace the computer work, are mobile and the open source operating system to be used by programmers to create their own applications that fit their needs..

Text detection in images is an important step to obtain the information. In this thesis created an android-based application to change or convert images or digital image photo an announcement of the results into a text format so as to facilitate the renewal process such information in accordance with the needs of its users.

Aspects of system performance is measured by accuracy and processing time. Once the application is undergoing some testing, the minimum error rate obtained from the conversion process of a normal text image with CER 1.62% and 2.73% WER. Conditions the maximum error rate obtained on testing cloudy weather with CER and WER 2.86% 4.48%and the average time to process an image conversion is 6.93 seconds. This application is expected to be developed over time to become an application that can be used in the field as a text image to text conversion is good.

Keywords: *Android, Image Processing*

Tugas Akhir ini, ku persembahkan untuk

Orang tua ku tersayang,

Sahabat-sahabatku.