

## ABSTRACT

Optical Character Recognition (OCR) is a computer system which is used automatically to recognize a part of character coming from typewriter, letterpress and or handwriting. In the other hand, OCR is a process of transferring the text document become the computer file without having to expurgation repeat, every characters such as letter, word, sentence can be recognized precisely and read by other software, without having to type repeating and editing. At the last final project, technique OCR developed using the approach of vector and region at extractions distinguish process, to identify the character at one file picture (\*.bmp) which contains character from hardcopy or other source. The extractions distinguish process using the approach of vector and region only until to identify the character which have recognition rate 86 %.

Hence at this final project made an application which can add the accuration of at process of system OCR developed by using approach of vector and region of its extractions characteristic, with the Auto Correct system. Auto Correct working by identifying character formation at text article of result by system OCR become a word. Then correct the word spelling, and then compare each word at database. Database represents the word corps made by like dictionary compiled by pursuant to alphabet. Last system will calculate the accuration automatically.

To evaluate the performance of Auto Correct by using that method, conducted an examination to some input samples which is coming from document of hardcopy or other source. The result shows that this Auto Correct system able to increase recognition word rate 21.53 % in trained font by OCR system.

Keyword: OCR, autocorrect.