ABSTRACT

SAUL OLIMPIYANTO OKTOPRIADI LIMBONG. Framework and Basic Functionality Development of Microsoft Office Word 2007 Add-ins for thesis correction. Supervised by FIRMAN ARDIANSYAH.

Thesis correction application is the application used to check the student’s thesis format. This application is an additional add-ins installed in Microsoft Office Word 2007. Correction of this thesis adrift on the amount of the existing section on student thesis document. The input of this application is Microsoft Office Word document (*.doc and *.docx). Rules of the format that used is thesis format of Department of Computer Science Bogor Agricultural University. The methods of Regular Expression is used to examine foreign language words in the document where the language used is. Levenshtein algorithm used for list book references to measure the distance between format and input to find similarity using string pattern. Output of this application is marking and comment from Microsoft Office Word 2007 on the parts that are not in accordance with existing rules. With this Microsoft Office Word 2007 add-in can simplify and shorten the examination thesis format of Department of Computer Science Bogor Agricultural University.

Keyword: Regular Expression, Levenshtein, String Pattern.