

ABSTRACT

TOEFL (*Test of English as a Foreign Language*) is an English language proficiency test that includes skills in listening (*listening comprehension*), the structure of language (*structure and written expression*), reading (*reading comprehension*) and writing (*writing*). In fact, based TOEFL IBT (*Internet Based TOEFL*) speaking skills (*speaking skills*) students are also taken into account. In this final task, entitled "***THE ANALYSIS OF VoIP AND WEB-BASED ONLINE TOEFL IMPLEMENTATION***"

" will be built TOEFL online by using VoIP servers and Web servers. For the listening comprehension section, section structure and written expression and reading comprehension section will use the Web server while the speaking section and customer care will use the VoIP server. This system can provide the certificate in score and fast time, TOEFL online will be carried out at any time in IT Telkom environment.

From the results of the implementation was done on a Local Area Network IT Telkom, online TOEFL can generate score and certificate after participants completed the TOEFL (*section listening comprehension, section structure and written expression, and section reading comprehension*). TOEFL online also has english call centre provides a function to handle all complaints and questions from participants, as well as TOEFL training program for speaking participants who do not have a description of the TOEFL speaking section. The calculations showed that to be able to serve the listening section 592,43 requests / second, aspects of structure and written to serve 506,92 requests / second, capable of serving the reading aspect of 506,61 requests / sec while for the aspect of speaking is 592,27 requests / second .whereas for VoIP servers able to serve 99,40 requests / second.

Keywords: TOEFL , VoIP Server, Web Server.