

## ABSTRACT

Telkom Institute of Technology (IT Telkom) is a private institution that has quite a lot of students. They are the choice of students who are selected through exams SMBB or Joint Selection of New Students. Exams are jointly together at locations.

In this final project created an application than could make easily and efficiently to do the exam, that is an online exam application web-based of IT Telkom SMBB using PHP and MySQL. In making this application needs several steps, those are namely web design, design database of exam questions, making fiturs/contents and doing the testing of this application. The test involves fungsional testing, performance testing website, and subjective testing.

The results were achieved in this project is an online exam application of IT Telkom SMBB for new students more practically and efficiently. In fungsional testing using software WSOP obtained the result from this testing is perfect class, that means there isn't error in this website application. Then in testing the performance of server capabilities with testing time 50 minutes, then total maximal user 500 users and click delay in 10 seconds, obtained when the total of user happened the stable condition (it's means that server can serve the request from client very well. It's because the request time is stable, that's less than 1000 ms [4]) are 185 users . While the comfort level of users (between 1000-10.000 ms [4]), namely when accessed by 323 users.

Keywords: SMBB, IT Telkom, Online Exam Application, Website