

## ABSTRACT

Education is very important for human life, especially for those student. Therefore, special attention should be given to education. The attention given by the government and educational institutions could be felt by lot of people, such as the increasing number of educational institutions in Indonesia. But apparently, the development of online educational institutions are still very underdeveloped. Though the number of Internet users in Indonesia has increased tremendously. The importance of learning through the medium of the internet to be the reason the importance of developing an online tutoring system based websites with features that are quite complete, especially in Indonesia.

The development of this application will use a method that emphasizes the features developed but with limited resources, ie SCRUM software development method. SCRUM development method start the planning of the process of document creation product backlog with analysis of business requirements and business process models. Method development followed by sprint planning to proceed with burndown diagram at each iteration. If the entire design has been completed and deemed the product backlog items that have been registered successfully implemented in all, the research continues to find the result of feedback from users. Application bimbil online must have some features that support the development of personal skills independently, for example: students can perform simulation test and see the results in the form of tables and graphs. The system must also be equipped with the basic functions administrator, such as: add a new test, and add new questions and questions validation.

The results obtained from the development of this online tutoring website is an application that can perform the primary functions of online tutoring. Applications are made online tutoring based on needs analysis derived from the design of business models using SCRUM development methods and design UML. Application has been made quite able to meet the needs of users for some features, although the display is less satisfactory user. This system has great usability, especially against the use of the Internet for education.

**Keywords** : education, study guidance, SCRUM