

Universiti Teknologi MARA

**Interactive Notes using Scaffolding
Technique**

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ABSTRACT

Ministry of Educations has put history subject as one of the condition of entry to university. The lesson and learning of history subject in classroom still considered conservative traditional, non-active and fail to create interactive environment. This subject is not a favorite subject among students. Students perceived history subject as difficult and very boring because they have to memorize facts besides understanding those facts, concepts, time historical events. This project developed by using web-based platform by using Adobe Flash CS6. The major feature of this application is interactive notes and the minor features of this application is exercise and quiz. The target audience is for form 4 students. This project developed using waterfall methodology consisting of requirement, design, implementation, verification and maintenance. The types of evaluation is pre-testing and post-testing was evaluated by 10 students from SMK Danau Kota and SJK(C) Chong Hwa. The effectiveness testing which is the students give a feedback from quiz score at pre-testing and post-testing. Responses from the evaluation testing was analyzed and the result indeed proven interactive notes using scaffolding technique is an effective method to deliver the interactive notes and also enjoyable. All the objective of this application is reached. For further work in future, the many improvement and enhancement can be made to this project as this project has improving learning method for students especially in the scope and interactive content.

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CHAPTER 1

INTRODUCTION

1.1 Project Background

“History ... is a mountain top of human knowledge from whence the doings of our generation may be scanned and fitted into proper dimensions” (Gustafson, 1955).

“History can mean any events or episodes that happened in the past, no matter to whom they happened and no matter whether the episodes were in any way related. More often, the term is restricted to things that happened to people” (Nugent, 1967).

Only in 1989, the Ministry of Education has makes the subjects of history as a compulsory core subjects taken by all students. For Aini Hassan (2008) these changes represents a huge shift in philosophy and conception of teaching and learning of history in schools. Philosophy, goals and objectives teaching and learning has been clearly stated. Focus has applied to the local history curriculum. Division titles was done according to themes (CDC, 2002). The lesson and learning of history subject in classroom still considered as still conservative traditional, non-active and fail to create interactive environment until it give the implications and negative influence to the students.

In order to create fun and interactive notes, this project will develop multimedia element such as video and animation to attract the students in learning, so that students can share the information about this subject among themselves. Interactive multimedia can make the teaching and learning process more interesting and make the history learning history process more effectively and interesting among young learners (N. A. Mz & W. Sy, 2008).

In order of teaching, this project also provide exercise and quiz at the end of the interactive notes. This quiz will helps students to recall what they have learned before. The quiz will test the level of student’s understanding after study history subject using this interactive notes.