

UNIVERSITITEKNOLOGI MARA

**E-BACA: AN EDUCATION COURSEWARE FOR
LEARNING LETTERS AND SYLLABLES**

MOHD RAHIMI BIN SEMAN

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ABSTRACT

This thesis research mainly focus on the development E-Baca An Education Courseware For Learning Letters And Syllables. The content of the documentation is overall about early stage until the implementation stage. The objective of this project is to develop and design a courseware for preschool student children below 6 years old. E-Baca provide learning and teaching process for preschool student which is children aged 5 and 6 years old learn about basic reading and spelling with vocal sounds of letters and syllables. Children nowadays having difficulties in understanding what they are spoken. Thus, they should recognize the alphabet and how to pronounce it. This courseware aims to stimulate children to make the process of reading and learning by using graphical and touchable objects. With the existence of courseware, it highly hopes that it will be one of the teaching tools for the teacher in order to capture student's attention in learning process. Instead of using the mobile computing added tools, this courseware can be leverage at home as well for the purpose of learning process, yet it's easy to monitor child's development. Notwithstanding, this multimedia courseware comes with the multimedia elements such as texts, graphics, animation and audio to make the learning more effective and attractive. Methodology of waterfall and Model-View-Controller (MVC) has been chosen for development proses. MVC architecture that separate an application into three major components recognized as models that includes the main functionality, views that represent the user interface and controllers that control the updates to views.

Keywords: Model-View-Controller (MVC)