ABSTRACT

Understanding the proper pattern of learning is the bestway to maximize learning

process. Once a person discover their learning styles, they will know what kind of

learning methods that are best for them automatically. This thing actually should

be done from an early age. However, there are many parents who were late to

figure it out. Based on survey's result that has been conducted at two elementary

schools in Bandung (Istiqamah and Taruna Bakti Elementary School), teachers

often hear several complaints from parents who felt that they had already try to

help their son in learning process, but didn't get maximum results yet. One of the

cause of this thing is inconsistency between learning methods and learning styles

that are owned by that child themselves.

Tthis final project, interactive learning media was built for children who have

visual learning, especially in science subjects. The content of this media is

delivered in animation form, so it can improve children's interest and can provide

visualization of each material which is presented. This media is built using

HTML5 technology and MDLC method. Testing methods that are performed in

this research are functional testing and user acceptance testing (UAT). The result

of functional testing is every single function can be run well, and for UAT the

result are entire students agree that quality of the display, user and program

interaction, and also the material presentation on software can help their learning

process.

Keywords: Multimedia Learning, Learning Styles, Visual, HTML5, MDLC

iv