

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