

Abstract

This research concerns children with ADHD who go through problems such as lack of attention, hyperactive, and impulsive which can affect their academic skills at school. Generally, educational disturbances found in children with ADHD at Elementary School level are the low interest in learning, weak in memorizing, being unenthusiastic in learning full-text lessons so many texts, and lack of concentration. Children with ADHD have difficulties in learning lessons that require a lot of memorizing which they might find boring. One of the subjects that children with ADHD found less desirable is Social Sciences. Based on these problems, user interface model and user experience model are needed to be used as the medium for children with ADHD in learning Social Sciences. This research aims to determine how the application of the user interface model to the application of interactive learning on Social Sciences that suits the user experience of children with ADHD by implementing Children-Centered Design. Furthermore, the usability level was analyzed through the application measured by using USE Questionnaire. On the usability testing by using the USE Questionnaire to the prototype which has been built, usability value rate is 90.05%. The value rate falls under the 'excellent' category which shows that the application has a really good usability.

Keywords: *attention-deficit hyperactivity disorder, unsociable person, children-centered design, usability testing, use questionnaire, user interface, user experience, prototype, social sciences*