

ABSTRACT

Playing games is one thing that is loved by children, including children with special needs. Children with disabilities require assistive technology in improving productivity. Mobile game is one of the assistive technology. Assistive technology can help children with Attention Deficit Hyperactivity Disorder (ADHD). ADHD caused by various factors such as genetic or environmental influences. Mobile gaming is easier for ADHD children to do in their daily, compared with the conventional method, in which a teacher gives the child the material and try to understand the material by observing. Average ADHD child has dyspraxia symptoms that affect fine motor stimulation. Dyspraxia cause the child can't manage fine motor.

Needed the form of aids which are educational games that can help children to train fine motor. ADHIKIDS FIMO game can help children with ADHD in a fine motor training. ADHIKIDS FIMO game using HTML5 technology which is a new technology that is interactive. In this game used Agile Development methodology as software development. There are 3 games in the ADHIKIDS FIMO namely dot pattern, writting and coloring that organized into 3 levels. This game is aimed at children aged 5 years and above or for children five years and under which must be fully guided by parents, teachers and therapists in doing the game. This game can be implemented in children with ADHD characteristics with the help of a companion.

Keywords: ADHD, fine motors, Assistive technology, HTML5, mobile game.