ABSTRACT

Hyperactivity is an abnormal behavior disorder caused by neurologic dysfunction with major symptoms unable to concentrate. Similarly, hyperactive children are children who experience Disorders of Concentration Attention with Hyperactivity (GPPH) or also called Attention Deficit and Hyperactivity Disorder (ADHD). This condition is also referred to as hyperkinetic disorder. In the past this condition is often called minimal brain dysfunction syndrome.

Hyperactivity is a pattern of behavior in a person who shows silent, uncontrollable, uncaring and impulsive attitude (acting at will). Hyperactive children are always on the move and never feel the fun of games or toys that other kids like their age, because their attention likes to move from one focus to another. They seemed to be relentlessly searching for something interesting and engaging but did not come.

The purpose of this study is to make an early detection system of ADHD in children aged between 5-12 years. Monitoring and input of symptoms that exist in children and adolescents is done by filling out questionnaires using Hyperactive Child Behavior Assessment Scale (SPPAHI). The results of the questionnaire filling are then processed and inserted into the data base The test results will show the hyperactivity level based on the score. With these scores, the child's hyperactive level can be monitored and concluded.

The results showed that of the 30 respondents who answered the questsionnaire with results of more than 70% using the Likert scale that this application helps in detecting psychiatric disorders. ADHD is a mental health problem that is mostly found in school children so it needs special handling both by parents and health services.

Keywords : Early detection, ADHD, hyperactive, SPPAHI, android apps, mobile.