The aim of this study was to compare role of emotional intelligence in cognitive flexibility of children with and without Attention Deficit Hyperactivity Disorder (ADHD). Participants were 20 children (mean age = 10.25, SD = 2.12) with ADHD and 30 normal children (mean age = 10.96, SD = 1.32) that all of they were boy. All participants completed the Emotional Intelligence Questionnaire (Schutte et al., 1998) and the classic Stroop test, as a measure of cognitive flexibility. ADHD children performed poorer on both measures than non-ADHD children. And emotional intelligence predictors of cognitive flexibility in two groups. Overall, in children with attention deficit – hyperactivity disorder there are low performance of emotional intelligence and cognitive flexibility.