

WUTIKORN RATANABALLANG : A COMPARISON OF REACTION TIME ON VISUAL AND AUDITORY STIMULI OF NORMAL, PHYSICALLY HANDICAPPED AND INTELLECTUALLY HANDICAPPED CHILDREN, THESIS ADVISOR : ASSO. PROF. RAJANEE QUANBOONCHAN, 83 PP.

The purpose of this investigation was to study reaction time of normal, physically handicapped and intellectually handicapped children.

The subjects were 200 students from Suanluang School, Panyawutikorn School, Sethsatian School and Bangkok School for the Blind. The multi choice reaction timer was used for measuring reaction time of hand on visual and auditory stimuli of the normal and the slow learner, measuring reaction time of hand on visual stimuli of the auditory defect, and measuring reaction time of hand on auditory stimuli of the visual defect.

The obtained data then were computed and analyzed in terms of means, t-test and one-way analysis of variance, Tukey A test for all possible comparison was also employed to determine if there was any significant difference.

The results were as follow :

1. Reaction time of hand on visual stimuli of the normal, the slow learner, and the auditory defect children were significantly different at the level of .01.

2. Reaction Time of hand on auditory stimuli of the normal, the slow learner and the visual defect children were significantly different at the level of .01.