

DETERMINATION OF NORMATIVE VALUES OF THE DEVELOPMENTAL TEST OF VISUAL PERCEPTION (DTVP-2) IN THAI CHILDREN

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ABSTRACT

This study aims to determine the normative values of the Developmental Test of Visual Perception (DTVP-2) in Thai Children. The data was obtained from a sample of 1,120 children, and scoring followed. The DTVP-2 (Thai version) had been examined for validity and reliability. These studies showed that the DTVP-2 (Thai version) has acceptable content validity. The Index of Conjugate (IOC) was established by three reviewers: the IOC is 0.6 in sub-tests 1, 4, 5, 6, and 8; and the IOC is 1 in sub-tests 2, 3, and 7. By using a test-retest method, it was found that this test has a degree of reliability that is almost perfect. The entire DTVP-2 test has an Intraclass Correlation Coefficient (ICC) of 0.89, and the ICC sub-tests range from 0.81 - 0.96.¹

Results of the normative values of the DTVP-2 (Thai version) showed that 1) there was a correlation between the age of children and their scores. When the ages of the children are higher, their results on the test are higher scores in every sub-test. 2) In each age range it was shown that the scores for Thai children and in US children who took the original version have similar interval, except in the VMS subtest where Thai children have a tendency to have higher scores in the age ranges from 4 – 5 years old and 8 – 11 years old. The results can be explained from cultural and environmental experiences as per; (1) Thai children enter school at early age. (2) The curriculum and study hours per day are long period for Thai children and (3) the characters in Thai alphabets are complicated. All of these factors may encourage writing elements resulting in Thai children developing writing readiness quickly and showing a tendency to score higher in VMS subtest.

KEYWORDS: Visual Perception, Visual Perception Assessment, Pediatric Occupational Therapy, Developmental Visual Perception Test (DTVP-2)