

Natkrita Manosuwan 2014: Development of Computer-assisted Instruction Using DRO Reinforcement on Painting with the Paint Brush Program for Reduce Attention Deficit Hyperactivity Disorders of Intelligent Disabilities Students. Master of Education (Educational Communications and Technology), Major Field: Educational Communications and Technology, Department of Educational Technology. Thesis Advisor: Assistant Professor Sasichaai Tanamai, Ph.D. 176 pages.

The objectives of this research were: 1) to develop and find out the quality of computer-assisted instruction using DRO reinforcement on painting with the Paint Brush program for reduce attention deficit hyperactivity disorders of intelligent disabilities students; 2) to evaluate skills on painting with the Paint Brush program for reduce attention deficit hyperactivity disorders of intelligent disabilities students; 3) to compare the concentration of intelligent disabilities students before and after learning through computer-assisted instruction, and 4) to study teachers' satisfaction toward computer-assisted instruction.

The sample was 8 students drawn by using purposive sampling from Prathomsuksa 1 students with intellectual 50-70 and attention deficit hyperactivity disorders. The research tools 1) computer-assisted instruction using DRO reinforcement on painting with the Paint Brush program; 2) the quality evaluation form 3) the evaluation test skills; 4) the observation form, and 5) the teachers' satisfaction questionnaire. Data were analyzed by mean ( $\bar{x}$ ) and standard deviation (S.D).

The research result revealed that 1) the quality of computer-assisted instruction on painting with the Paint Brush program was at good level ( $\bar{x}$ =4.40); 2) the skills on painting with the Paint Brush program for intelligent disabilities students was at good level ( $\bar{x}$ =1.25); 3) Intelligent disabilities students has more concentrate than before after learning through computer-assisted instruction, and 4) the teachers' satisfaction toward computer-assisted instruction was at good level ( $\bar{x}$ =4.38).

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Thesis Advisor's signature