Geerapatana Uansakulsaree 2011: Construction of Learning Object on Respiratory System for Matthayomsuksa 4 Students. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Saroch Sopeerak, Ed.D. 117 pages.

The purposes of the research were 1) to constructed of Learning Object on respiratory system for Matthayomsuksa 4 Students with the efficiency 80/80 criteria, 2) to compared the students pre-test scores and post-test scores after study with Learning Object on Respiratory System for Matthayomsuksa 4, 3) to study the students satisfaction of that developed by the researcher.

The subject were 30 Matthayomsuksa 4 Students at Donmuang Chaturachinda School in second term of 2011. The research tools in this study were Learning Object, pre-test, post-test, and questionnaires. The data were analyzed by frequency, percentage, and t-test.

The research results were 1) the efficiency of of Learning Object on Respiratory System for Matthayomsuksa 4 Students limited was at 80/80 according to the criteria, 2) the students post-test were statistically significant higher than the students pre-test scores at .05 level, and 3) the students satisfaction on developed Learning Object was at the most level.

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