The objectives of this research were 1) to develop web-based instruction of single window presentation and multiple window presentation on dengue haemorrhagic fever for Mathayomsuksa 1 students (these two formats were developed by using the standard criteria 80/80), 2) to compare students' achievements in learning from web-based instruction of single window presentation and multiple window presentation on dengue haemorrhagic fever for Mathayomsuksa 1 students, and 3) to study the satisfaction from the two formats.

The sample was 60 Mathayomsuksa 1 students of Mathayom Prachaniwet school, in the second semester of 2005 academic year. The students were randomly selected by the simple random sampling technique. They were divided into 2 groups, with 30 in each. One learned from web-based instruction of single window presentation and other learned from multiple window presentation web-based instruction. Data were analyzed by t-test and percentage.

The results showed the following 1) web-based instruction of single window presentation and multiple window presentation on dengue haemorrhagic fever had the standard criteria 87.11/84.67 and 89.78/82.83, respectively, 2) there were no significant differences in learning achievement from web-based instruction of single window presentation and multiple window presentation on dengue haemorrhagic fever for Mathayomsuksa 1 students, and 3) the students were satisfied with web-based instruction of both single window presentation and multiple window presentation at a high level.

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Student's signature   Thesis Advisor's signature