

Anucha Vipulakorn 2009: A Development of Supplementary Mobile Learning on Food Based Dietary Guidelines for Distance Learning of Thaksin University. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology.
Thesis Advisor: Associate Professor Narong Sompong, Ph.D. 184 pages.

The purposes of this research were 1) to develop the supplementary Mobile Learning on Food Based Dietary Guidelines for distance learning for students of Thaksin University with the efficiency of 80/80 criterion, 2) to compare the students' learning achievement between before and after learning with the supplementary Mobile Learning on Food Based Dietary Guidelines, and 3) to study the students' satisfaction towards supplementary Mobile Learning on Food Based Dietary Guidelines for distance learning of Thaksin University.

The research samples were 30 Thaksin University students who joined distance learning in first semester of academic year 2008 and registered the course "Health Science for Life Quality Enhancement" and had smart phones which were able to open clip video and increase memory. Research instruments were supplementary Mobile Learning on Food Based Dietary Guidelines, the quality evaluation form for experts, the learning achievement test on Food Based Dietary Guidelines, and questionnaire on the students' satisfaction with supplementary Mobile Learning on Food Based Dietary Guidelines. Data were analyzed by percentage, mean, standard deviation and dependent t-test.

The research found that 1) a quality of the supplementary Mobile Learning on Food Based Dietary Guidelines had the efficiency at 87.06/87.13 which was higher than the 80/80 criterion, 2) the students who learned via supplementary Mobile Learning on Food Based Dietary Guidelines had the posttest learning achievement higher than the pretest at .05 statistical level of significance, and 3) the students' satisfaction with supplementary Mobile Learning on Food Based Dietary Guidelines was at the high level.

Student's signature

Thesis Advisor's signature

____ / ____ / ____