

# Certificate of Presentation

This is to certify that

**Ketum Saraburin**

**Suan Sunandha Rajabhat University - TKS-486-131**

Participated and presented the research paper titled:

**THE DEVELOPMENT OF U-LEARNING ABOUT SOIL IMPROVEMENT  
BY THE ROYAL INITIATIVE OF HIS MAJESTY THE KING FOR EIGHTH GRADE  
STUDENTS FROM  
WAT AO CHANG LAI SCHOOL, PLAENG YAO DISTRICT CHACHOENGSAO  
PROVINCE, THAILAND.**

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Dr. Malika Ait Nasser (Ph.D.)  
Conference Chair  
BESSH Secretariat  
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The Development of U-Learning about Soil  
Improvement by the Royal Initiative of his Majesty The  
King for Eighth Grade Students from Wat Ao Chang Lai  
School, Plaeng Yao District Chachoengsao Province,  
Thailand

**Ketum Saraburin<sup>1\*</sup>, Sarawut Yamdee<sup>2</sup>**  
<sup>1,2</sup>Suan Sunandha Rajabhat University, Thailand

Abstract

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The objective of this research is to develop the U-Learning about soil improvement by the Royal Initiative of His Majesty the King with effectiveness that reached the 75/75 standard, compare the learning achievement between before and after learning with the U-Learning about soil improvement by the Royal Initiative of His Majesty the King and study of attitude toward of student by learning with U-Learning about soil improvement by the Royal Initiative of His Majesty the King. The samples used in this research were 30 Grade 8 students from Wat Ao Chang Lai School, Plaeng Yao District, Chachoengsao Province Thailand, during the sponce semester, academic year of 2015, selected by Multi - Stage Sampling technique. The Randomized Control Group Pretest-Posttest Design was used in this research. The research tools utilized in this study were. 1) U-Learning about Soil Improvement by the Royal Initiative of His Majesty the King. 2) The achievement test and 3) The questionnaire of attitudes toward learning with U-Learning. The obtained results showed that the efficiency of U-Learning about soil improvement by the Royal Initiative of His Majesty the King for eighth grade students was 78.83/76.14 which was higher than the standard criterion at 75/75. The average score of the posttest was higher than that of the pretest with a statistical significance .05. The student attitude toward the using of U-Learning was at the high level.

**Keywords:** U-Learning, Soil Improvement

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\*All correspondence related to this article should be directed to Ketum Saraburin from Suan Sunandha Rajabhat University, Thailand.  
Email: [ketum.sa@ssru.ac](mailto:ketum.sa@ssru.ac)