

A Measurement Model Development of English Learning Achievement Using Online English Teaching Media for Primary School Students

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Abstract

This study aims to explore and investigate a measurement model development of English learning achievement using online English teaching media for primary school students. The objectives of this research are 1) to develop online English teaching media for primary school students, 2) to compare knowledge and comprehension of students before and after using online English teaching media with primary school students and 3) to assess students' satisfaction with online English teaching media for primary school students. The research design of quantitative research method was used for the data collection and analysis. The target groups of this study were 44 students at grade 5 and 6 in Ban Nong Krathum school, Ron Thong sub-district, Satuk District, Buriram Province focused on December 2021 – April 2022. The research instruments consisted of online English teaching media by prescribe variable of English learning achievement is independent and skills of English learning consisted of listening and writing is dependent, evaluation from regarding the quality of media and contents, pretest, posttest, and evaluation from regarding student's satisfaction towards online English teaching media. The statistics used to data analyzed were mean, standard deviation, and T-test for dependent target group. The study found that the overall media quality was good level with an average score of 4.45 and the contents quality was good level with an average score of 4.42. The result of comparison of knowledge and comparison between pretest and posttest found that the students were higher after learning through online English teaching

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media at the statistically significant level of 0.05 with grade 5 students a mean score of 73.52/50.93 and grade 6 students a mean score of 77.56/56.41. And the students satisfy at the online English teaching media. Learning from online English teaching media, students are focused and enthusiastic about their studies and able to follow the lessons correctly according to the rules confidence in online learning and to develop according to their own potential.

Keywords: A measurement model; English learning achievement; Online English teaching media.

Introduction

Education in Thailand, is a study organized by the Ministry of Education of Thailand. The government will directly support and give opportunities for the private sector to participate in education from early childhood education to higher education levels. For compulsory education in Thailand, Thai citizens must complete at least lower secondary education and must be enrolled at the latest at the age of seven. This compulsory education is part of fundamental education which is divided into six years of primary school and six years of secondary school. In addition, Fundamental education also includes early childhood education. In this regard, the state must provide thorough and quality services without charge according to the Constitution of the Kingdom of Thailand, B.E. 2550.

In the situation of the coronavirus disease 2019 (Covid-19) outbreak, it has a wide impact in many dimensions around the world. As well as its impact on the educational community in many aspects. More than 1.5 billion students worldwide have to stop teaching in schools, because students when they are together in the school will be a source of virus outbreak as well, because children will have fewer symptoms or some people have no symptoms but can spread the infection to people in the house. Most of them are elderly people who are at high risk. In many countries that have announced measures to close schools. The government will issue learning measures to support various forms of distance learning. Using technology to help by considering the conditions of equipment readiness of parents and readiness according to the child's age.

When the coronavirus (COVID-19) began to spread in Thailand at the beginning of January 2020, most Thai schools were entering the second semester of the academic year. The Ministry of Education announced that all schools had to carry

out instruction online only. However, during that time, each school had not prepared any facilities for online teaching. It became the responsibility of teachers to acquire tools, equipment, and technologies for their teaching, not to mention that they had to learn how to use the technology on their own. The most controversial issue was online examination administration.

Thailand in the present, schools are now a very high-risk place for the spread of the COVID-19 virus, consisting of a large number of people, including students, teachers or caregivers and their parents. Therefore, there is a risk of spreading the virus easily if handled poorly. The Office of the Basic Education Commission has set up a special center for providing distance education in the situation of the corona virus epidemic 2019 and preparing before the opening of the semester. If the epidemic continues and becomes more severe, online teaching and learning will be held like other countries. This will be learning via DLTV from the Satellite Distance Education Foundation. Under the Royal Patronage and collecting online learning materials in the OBEC Content Center, a complete set of programs and learning platforms of the Ministry of Education such as Tutor, free tutoring.com, e-Books, etc., as well as preparing a network infrastructure. To support the service of learning platform to be linked to the Digital e-Learning system of the Ministry of Education. But if the epidemic situation is relieved, teaching can be held in schools as usual. There may be many forms of teaching and learning, including mixed learning and learning outside the classroom where teachers and students do not face each other. In addition, measures and guidelines have been established to prevent and control the spread of the coronavirus disease 2019 by assessing the readiness of educational institutions before the start of the semester check location cleaning school buildings, classrooms, as well as preparing a place to keep distance between people or social distance (Social Distancing). There are also guidelines for opening - closing the semester, adjusting the class schedule as appropriate. This takes into account the acquisition of knowledge to the full range of children's ages in order to minimize the negative impact of changes.

The shift in technology has brought the global education community to 'online' teaching and learning. Screen learning is not as effective as classroom learning. The teacher and the students including the students themselves to interact with each other face to face. In the past, online learning was only an option that was used occasionally. When the COVID-19 outbreak, online learning has become an

alternative to the 'mainstream' of teaching in many parts of the world. Each country has developed its own online teaching platform in different ways or to apply the existing program instant adjustment of teaching mode to online it is certainly not an easy task for almost all schools around the world. Who have never studied through a screen with a hundred percent before but another problem that is more important than unfamiliarity, not all students are ready to switch to full online classes. Enabling equal access for all students to online learning has become a major concern for education policy makers around the world. Let's start with the most basic question: how to do it for children. There are materials for online learning. No matter where you live or have any level of financial background. Several countries have introduced policies to address the problem of unequal student access to devices, such as Singapore, which originally had the idea of buying a tablet or laptop for all secondary school students under the National Digital Literacy Program. But after the outbreak of COVID-19, the government has accelerated its goal to complete the handouts by the end of 2021, seven years earlier than previously scheduled, and add another \$200 to the subsidy for equipment purchases for every student (about 4,600 baht). And if a student from a low-income family will be considered to increase the subsidy again while South Korea has distributed digital devices including open for renting equipment free of charge for underprivileged students as well as providing a system for students to access a platform for entering online learning without thinking of internet data. In addition, South Korea is not only focused on students from low-income families. But it also takes into account other disadvantaged groups of students, such as providing subtitles during classes for hearing-impaired students and the creation of multilingual learning materials for students from mixed-race families, etc. However, in order to create equality in education during the time of online learning helping children. Access to digital devices and the internet is only one component. Some countries have also focused on supporting online learning for students in other areas, such as the UK and Finland. There has been a free lunch policy for schoolchildren originally. Confirmed that the children will continue to receive free meals even when studying online by delivering food to the house like Italy, Serbia and Portugal are trying to help some communities have more access to water, food and medicine. Help students face difficulties while studying at home.

From the problem, the students had the idea to create an application to learn English skills online. To help solve problems in the era of the corona virus epidemic

2019, which can be used both online and offline the application allows students to learn all four English skills. It is hoped that it will be useful and increase the efficiency of children's learning by using the principles and policies of the Ministry of Education, fiscal year 2020.

Educational apps can be very useful and valuable in learning. This is because most students can easily access information via a smartphone operating system mobile phone or android. Advantages for using applications because nowadays Smart Phone, Tablet and Computer play more and more roles in human life and Application is an important part that makes Smart Phone, Tablet and Computer users access various media more easily. Therefore, we are interested in developing the application to serve as another channel for advertising. Public relations including contacting their customer groups such as;

1. Tourism and Travel Business Group has organized a Mobile App, a system to recommend tourist attractions, hotel recommendations and hotel reservations there is a system for booking bus tickets, Flight ticket including check-in.

2. Business for Education. There are publicity advertisements, teaching materials trading exchange of knowledge.

3. Trading and Fashion Business Group. There is a trading system, exchanging goods, etc.

Research Objectives

1. To develop online English teaching media for primary school students.
2. To compare knowledge and comprehension of students before and after using online English teaching media with primary school students.
3. To assess students' satisfaction with online English teaching media for primary school students.

Research Methodology

The methods used in carrying out this study. It begins by explaining how the research was designed, what instrument was developed and used, who the key informants, survey was and how they were selected, as well as how the data were collected and analyzed as follows.

1. Research designs
2. Target and key informants

3. Research tools

4. Data collection

5. Data analysis

1. Research designs

This study is quantitative research which divided four steps such as using questionnaire by 3 teachers have an experience to teach students in the school, a measurement model development of English learning achievement using online English teaching media and test online English teaching media with primary school students in northeastern, Thailand, using data collection with 44 students in primary school students in northeastern, Thailand, and using data analysis.

2. Target group and Key informants

The research participants are designed into four steps, 1 step of using questionnaire, 2 step a measurement model development of English learning achievement using online English teaching media and test online English teaching media with primary school students in northeastern, Thailand, 3 using data collection and 4 step using data analysis.

2.1 Scope of Research Area

The researcher focused at Ban Nong Krathum school, Ron Thong Sub-district, Satuk District, Buriram Province.

2.2 Scope of Time

The study has conducted from December 2021 to April 2022. The academic year, 2021.

Research tools

The research tools using in the research such as;

1. Research tools

1. Online English teaching media

2. Assessment form for media quality

3. Assessment form for content quality

4. Assessment form for level measure cognition between pretest and posttest using online English teaching media

5. Assessment form for student's satisfaction with English lessons by using online English teaching media.

2. Steps to create a research tool

2.1 Development online English teaching media

Creation and development of online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students. The researcher has created online English teaching media by applying the ADDIE Model as a principle for development online English teaching media. The steps are divided as follows;

1. Analysis

1.1 Analysis content, the researcher analyzed content from 3 teachers have an experience to teach students in the school.

1.2 Study the principles and theory of English lessons, and study the program to use to create online English teaching media.

1.3 Prescribe the learning objectives of the lessons in accordance with the content, the researcher has defined the learning objectives as follows:

1.3.1 To make students understand tense.

1.3.2 To make students understand the rules of using the past simple tens and present simple tense.

1.3.3 To make students understand the structure of question sentences positive sentences and negative sentences in the past simple tense and present simple tense.

1.3.4 To make students understand the rule of changing verbs form in the past simple tense and present simple tense.

1.4 Define the format of online English teaching media. Provide the content in accordance with the objectives of the English lesson.

2. Design

2.1 Design English lesson

Lesson 1 Get to know tense

Lesson 2 Knowledge of past simple tense

Lesson 3 Sentence structure of past simple tense

Lesson 4 Changing form of verb with past simple tense

Lesson 5 Knowledge of present simple tense

Lesson 6 Sentence structure of present simple tense

Lesson 7 Changing form of verb with present simple tense

2.2 Design online English teaching media

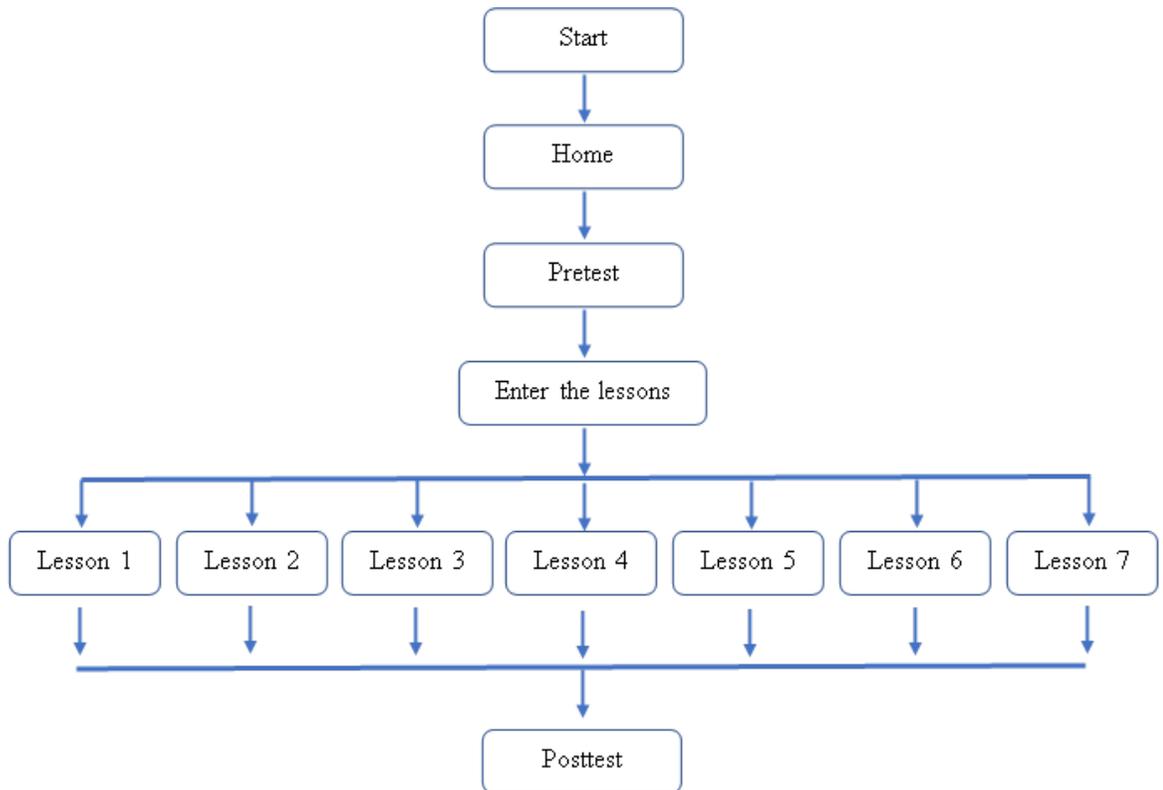


Figure design online English teaching media

2.3 Assessment form for media quality and content quality for specialists, title: a measurement model development of English learning achievement using online English teaching media for primary school students.

The researcher crates assessment form for media quality and content quality for specialists by dividing content and media as followed:

1) Prescribe the topic, design and create assessment form for media quality and content quality for specialists is 5-level estimation scale model. There are scoring criteria as follows:

Mean	Quality level
5 means the level of opinion shows excellent	4.51 – 5.00
4 means the level of opinion shows good	3.51 – 4.50
3 means the level of opinion shows moderate	2.51 – 3.50
2 means the level of opinion shows low	1.51 – 2.50

1 means the level of opinion shows minimal 1.00 – 1.50

2) Bring assessment form for media quality and content quality for specialists, give the thesis advisors check the correctness of the media and content. And adjusted according to the instructions the suitability of the questions.

3) Request the kind assistance from measurement and evaluation specialists to verify the suitability and conformity of the quality assessment form. And adjusted according to the instructions the suitability of the questions.

4) The results of specialists assessments to determine the Index of item-Objective Congruence (IOC). From the discretion of specialists to calculate the formula. The results of media quality averaged 1.00 and content quality averaged 0.93

2.4 Assessment from for level measure cognition between pretest and posttest using online English teaching media

The researcher creates level measure cognition between pretest and posttest using online English teaching media as followed;

1) Learn more about how to create a cognitive scale.

2) Analyzed content and learning outcomes by using online English teaching media to guide the construction of the cognitive scale.

3) Create assessment from for level measure cognition between pretest and posttest, by examination is 30-item, four-choice covering content, objectives and expected learning outcomes.

4) Bring assessment from for level measure cognition between pretest and posttest give the thesis advisors check the correctness of the level measure cognition between pretest and posttest. And adjusted according to the instructions the suitability of the questions.

5) Bring assessment from for level measure cognition between pretest and posttest give 2 specialists to check suitability and the correspondence of the questions to the learning objectives and improve according to the recommendations. After that take the evaluation results of the two specialists to find the conformity index. Choose exams that have a conformance index. For the result value, it must be greater than or equal to 0.5 or more. The discretion of a specialists and then used to calculate the formula. The average result was 1.00.

2.5 Assessment form for student's satisfaction with English lessons by using online English teaching media. The researcher creates as followed;

- 1) Study the documentation related to the satisfaction assessment method.
- 2) Choose an issue to assess satisfaction and determine how to measure it.

The scores of the assessment were set as an estimation scale by setting a score level of 5 points such as;

Level 5 Average 4.51 – 5.00 means the level of opinion shows very satisfied

Level 4 Average 3.51 – 4.50 means the level of opinion shows satisfied

Level 3 Average 2.51 – 3.50 means the level of opinion shows unsure

Level 2 Average 1.51 – 2.50 means the level of opinion shows dissatisfied

Level 1 Average 1.00 – 1.50 means the level of opinion shows very dissatisfied

3) Draft a satisfaction assessment form in accordance with online English teaching media.

4) Bring assessment form for student's satisfaction with English lessons by using online English teaching media, give the thesis advisors check the correctness. And adjusted according to the instructions.

5) Bring an assessment form that has been measured and evaluated by 2 specialists to check suitability and the correspondence of the questions, and bring it to improve according to the instructions. Find the content and language compliance index for each item. and the results of the specialists evaluation were analyzed for the conformity index. For the result value, it must be greater than or equal to 0.5 or more. The discretion of a specialists and then used to calculate the formula. The average result was 1.00.

6) Make an assessment form for student's satisfaction with English lessons by using online English teaching media, bring to students for evaluation.

Data Collection

The researcher used the online English teaching media to experiment with 44 grade 5 and 6 students at Ban Nong Krathum school, Ron Thong Sub-district, Satuk District, Buriram Province. There are procedures and data collection as follows:

3.4.1 Collected data from quality assessment form from 6 experts.

3.4.2 Collected data from pretest.

3.4.3 Collected students data while used English learning achievement using online English teaching media during December 2021 – April 2022.

3.4.4 Collected data from posttest.

3.4.5 Bring the result to be analyzed and processed by using a packaged program for further research.

Data Analysis

The researcher used the data analyzed as follows;

1. Determination of the conformity index of Index of item-Objective Congruence (IOC) by the conformity index value must be greater than or equal to 0.5 using the following formula;

$$IOC = \frac{\sum R}{N}$$

IOC = instead index of concordance between questions and objectives

$\sum R$ = instead sum of the specialists opinion scores

N = instead number of specialists

Descriptive Statistics by used percentage, mean, and standard deviation.

Present the data in tabular form to explain information about target groups

2. Mean (\bar{x})

$$\bar{x} = \frac{\sum x}{n}$$

\bar{x} = instead mean

$\sum x$ = instead sum of all scores

N = instead number of students in the target groups

The criterion for result of the mean scores on a 5-level estimation scale as follows;

Point 4.51 – 5.00 instead lessons are excellent

Point 3.51 – 4.50 instead lessons are good

Point 2.51 – 3.50 instead lessons are moderate

Point 1.51 – 2.50 instead lessons are low

Point 1.00 – 1.50 instead lessons are minimal

3. Standard Deviation (S.D.)

$$S.D. = \sqrt{\frac{n \sum x^2 - (\sum x)^2}{n(n-1)}}$$

S.D. = instead standard deviation

N = instead number of students in the target groups

$\sum x^2$ = instead sum of all scores

$(\sum_x 2)$ = instead sum of each score squared.

4. T-test

Determine the t-test to test the difference between the mean scores before and after using online English teaching media as following formula:

$$t = \frac{\sum D}{\sqrt{\frac{N \sum D^2 - (\sum D)^2}{(N - 1)}}$$

t = Test statistics

$\sum D$ = The sum of score differences between pretest and posttest scores by used online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students

$\sum D^2$ = The sum of squares of the difference between the scores before and after used online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students

D = The difference between pairs of data

N = Number of pairs of data

5. Data analysis satisfaction assessment by determination the mean and standard deviation of satisfaction score from the target groups. After that bring the calculated mean was then compared with the average satisfaction interval.

$$\bar{x} = \frac{\sum x}{N}$$

The criterion for interpreting the mean scores on a 5-level estimation scale as follows;

Level 5 Average 4.51–5.00 means the level of opinion shows strongly agree

Level 4 Average 3.51–4.50 means the level of opinion shows agree

Level 3 Average 2.51–3.50 means the level of opinion shows strongly neutral

Level 2 Average 1.51–2.50 means the level of opinion shows disagree

Level 1 Average 1.00–1.50 means the level of opinion shows strongly disagree

Research Results

The results of analysis they were divided into 4 parts shown as follows:

1. Analysis media quality assessment results.
2. Analysis content quality assessment results.
3. The results of the comparison of knowledge and comprehension levels between pretest and posttest.
4. Student Satisfaction Survey Results.

1. Media quality assessment results

Media quality assessment results from 4 experts who evaluated a measurement model development of English learning achievement using online English teaching media. This is the implementation of objective number 1 as shown in table 1.

Table 1 Media quality assessment results; (title: a measurement model development of English learning achievement using online English teaching media for primary school students)

Assessment item	□	S.D.	result
1. Language and Sound			
1.1 Getting into the lesson is interesting.	4.66	.57	Excellent
1.2 Illustrations and content are consistent and appropriate.	5.00	.00	Excellent
1.3 Narration is at a reasonable volume and is clear.	3.66	.57	Excellent
1.4 Language used is linguistically correct.	4.00	1.00	Good
Average	4.33	.18	Good

Assessment item	□	S.D.	result
2. Screen design			
2.1 Font size and style are appropriate and clear.	4.66	.57	Excellent
2.2 Font color is clear.	5.00	.00	Excellent
2.3 Background color is appropriate and pleasing to the eye.	5.00	.00	Excellent
2.4 Screen design is well proportioned and beautiful.	4.33	1.15	Good

2.5 Data links are appropriate.	4.66	.57	Excellent
2.6 Suitability of links.	4.66	.57	Excellent
Average	4.72	.48	Excellent
Total average	4.45	.38	Good

From table 1, it was found that media quality overall, it was good level, with an average of 4.45. Considering each aspect, it was found that screen design in good level with an average of 4.45, followed by language and sound were at good level with an average of 4.33, respectively

2. Content Quality Assessment Results

Content quality assessment results from 4 experts who evaluated a measurement model development of English learning achievement using online English teaching media. As shown in table 2.

Table 2: Content quality assessment results: (title “a measurement model development of English learning achievement using online English teaching media for primary school students” from content specialist.)

Assessment item		S.D.	result
Lesson 1 Get to know tenses			
1.1 Contents	4.66	.57	Excellent
1.2 Illustration and video	4.33	.57	Good
1.3 Presentation	4.33	.57	Good
Average	4.33	.33	Good
Lesson 2 Knowledge of past simple tense			
2.1 Contents	4.66	.57	Excellent
2.2 Illustration and video	4.66	.57	Excellent
2.3 Presentation	4.33	.57	Good
Average	4.55	.50	Excellent
Lesson 3 Sentence structure of past simple tense			
3.1 Contents	4.33	.57	Good
3.2 Illustration and video	4.33	.57	Good

3.3 Presentation	4.33	.57	Good
Average	4.33	.33	Good
Lesson 4 Changing form of verb with past simple tense			
4.1 Contents	4.66	.57	Excellent
4.2 Illustration and video	4.00	1.00	Good
4.3 Presentation	4.00	1.00	Good
Average	4.33	.57	Good
Lesson 5 Knowledge of present simple tense			
5.1 Contents	4.33	1.15	Good
5.2 Illustration and video	4.33	.57	Good
5.3 Presentation	4.55	.57	Good
Average	4.44	.69	Good
Lesson 6 Sentence structure of present simple tense			
6.1 Contents	4.00	1.00	Good
6.2 Illustration and video	4.66	.57	Excellent
6.3 Presentation	4.66	.57	Excellent
Average	4.44	.69	Good
Assessment item	<input type="checkbox"/>	S.D.	result
Lesson 7 Changing form of verb with present simple tense			
7.1 Contents	4.33	.57	Good
7.2 Illustration and video	4.66	.57	Excellent
7.3 Presentation	4.66	.57	Excellent
Average	4.55	.50	Excellent
Total average	4.42	.48	Good

From table 2, it was found that, it was good level, with an average of 4.42. Considering each aspect, it was found that contents; lesson 2 knowledge of past simple tense it was excellent level with the average of 4.55, followed by lesson 5

knowledge of present simple tense and lesson 6 sentence structure of present simple tense with an average of 4.44 respectively.

3. The results of the comparison of knowledge and comprehension levels between pretest and posttest.

Knowledge and comprehension measurement result the level of knowledge and understanding between pretest and posttest by using online English teaching. Title: a measurement model development of English learning achievement using online English teaching media for primary school students. As shown in table 3 and table 4.

Table 3: The results of the comparison of knowledge and comprehension levels between pretest and posttest of the students in grade 5. (Title: a measurement model development of English learning achievement using online English teaching media for primary school students.)

	full point	average point	S.D.	t	p
Pretest	30	50.93	0.54		
Posttest	30	73.52	1.96	-22.59	.01*

*Statistical significance at the level of 0.5

From table 3, it was found that the students had an average point of 50.93 points before school and after the students had learned through online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students. With a higher mean score, for example 73.52 points. T-value analysis of independent samples (t-test). It was found that the scores after study were significantly higher than before at the 0.05 level.

Table 4: The results of the comparison of knowledge and comprehension levels between pretest and posttest of the students in grade 6. (Title: a measurement model development of English learning achievement using online English teaching media for primary school students.)

	full point	average point	S.D.	t	p
Pretest	30	56.41	3.78		
Posttest	30	77.56	1.13	-21.15	.01*

*Statistical significance at the level of 0.5

From table 4.4, it was found that the students had an average point of 56.41 points before school and after the students had learned through online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students. With a higher mean score, for example 77.56 points. T-value analysis of independent samples (t-test). It was found that the scores after study were significantly higher than before at the 0.05 level.

4. Student Satisfaction Survey Results

The results of the student's satisfaction level after study by using online English teaching media. Which presents the results of each aspect of the analysis. As shown in table 5.

Table 5: The results of the study on the satisfaction of students who studied with online English teaching media. (Title: a measurement model development of English learning achievement using online English teaching media for primary school students.)

Assessment item (N=30)		S.D.	result
1. Content			
1.1 Clear content description easy to understand.	4.53	.50	Very satisfied
1.2 Content is appropriate and sufficient to meet the needs.	4.40	.62	Satisfied
1.3 Students gain a greater understanding of the content they are learning.	4.06	.69	Satisfied
1.4 Lesson has an interesting format. and convenient to learn.	4.23	.67	Satisfied
1.5 Media is modern and suitable for use in learning.	4.36	.61	Satisfied
Assessment item (N=30)		S.D.	result
1.6 Contents is arranged in a step-by-step order. It is continuous and easy to understand.	4.46	.73	Satisfied

1.7 Texts in the media is correct in terms of language and grammar.	4.23	.67	Satisfied
1.8 There is a clear classification. Easy to use.	4.26	.82	Satisfied
1.9 Font and font color the right size.	4.26	.63	Satisfied
1.10 Sounds and illustrations are appropriate.	4.13	.81	Satisfied
Average	4.29	.24	Satisfied
2. Learning activities			
2.1 Online English teaching media best knowledge transfer.	4.46	.68	Satisfied
2.2 Encourage students to understand and learning all the time.	4.30	.70	Satisfied
2.3 Encourage students to know how to use technology to benefit.	4.20	.71	Satisfied
2.4 Encourage students to find knowledge on their own.	4.36	.66	Satisfied
2.5 Encourage students to be motivated to study.	4.16	.74	Satisfied
Average	4.30	.38	Satisfied
Total average	4.42	.24	Satisfied

From table 5, it was found that students who are satisfied with online English teaching media; title: a measurement model development of English learning achievement using online English teaching media for primary school students. Overall, it was satisfied level with an average of 4.42.

Considering each aspect, it was found that contents of satisfied level, with an average of 4.29. it was found that clear content description easy to understand of very satisfied level, with an average of 4.53, followed by contents is arranged in a step-by-step order. It is continuous and easy to understand, with an average of 4.46, respectively.

Learning activities of satisfied level with an average of 4.30. it was found that online English teaching media best knowledge transfer, with an average of 4.46, followed by encourage students to find knowledge on their own of satisfied level, with an average of 4.36, and encourage students to understand and learning all the time of satisfied level, with an average of 4.30, respectively.

Suggestions

1. Suggestion for the research

- 1) Development of online English teaching materials It should be explained in detail, clearly and in an interesting format. It is a media that presents teaching and learning to be easy to understand and motivate students.
- 2) Font and font color should be more optimized.
- 3) Give an example teaching to understand more clearly.
- 4) Could manage the contents and questions on the lesson, because it is very simple for all students. It is very nice to learn in the class or online class room.

2. Suggestion for next research

- 1) The development of online English teaching media, title: a measurement model development of English learning achievement using online English teaching media for primary school students has picked up some of the content of learning English language learning. The content is not yet covered for primary school students. Content should be added to cover all.
- 2) The development of online English teaching media to support a variety of devices to facilitate more users.
- 3) It is recommended that the further research examine the correlations between the English learning achievement and the students' satisfaction in order to illustrate any significant relationships of both variables to obtain more information on the context of the implementation of online English teaching media.

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