

## Open Educational Resources on Integrated Curriculum in SBE Context for Foreign Language Education

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### บทคัดย่อ

งานวิจัยครั้งนี้มีวัตถุประสงค์เพื่อออกแบบ  
พัฒนาและประเมินสคริปต์เนื้อหาและสตอรี่บอร์ดแบบ  
ออนไลน์สำหรับ”คลังทรัพยากรการศึกษาแบบเปิดเพื่อ<sup>1</sup>  
การศึกษาภาษาต่างประเทศด้านหลักสูตรบูรณาการใน  
บริบทของการศึกษาอิงมาตรฐาน(Integrated  
Curriculum in SBE context) ”กลุ่มตัวอย่างของ  
งานวิจัยซึ่งได้จากการสุ่มเลือกแบบเจาะจงได้แก่  
ผู้ทรงคุณวุฒิด้านเนื้อหาจำนวน 7 คนเพื่อการประเมิน<sup>2</sup>  
สคริปต์เนื้อหาจากนิเทศฯลัยของรัฐและเอกชนและ  
โรงเรียนที่เปิดสอนโปรแกรมสองภาษาในสังกัดรัฐบาล  
(English Program) และผู้ทรงคุณวุฒิด้านเทคโนโลยี  
จำนวน 3 คนเพื่อการประเมินสตอรี่บอร์ดจาก  
มหาวิทยาลัยของรัฐหน่วยงานภาครัฐและบริษัทเอกชน  
เครื่องมือที่ใช้ในการวิจัยได้แก่แบบสอบถาม และ  
สคริปต์เนื้อหาและสตอรี่บอร์ดแบบออนไลน์การ  
วิเคราะห์ข้อมูลใช้ค่าสถิติร้อยละ การวิเคราะห์เชิง  
พร่องนาและการเขียนเชิงบรรยาย ผลการวิจัยพบว่า  
1) สคริปต์เนื้อหาแบบออนไลน์ด้านหลักสูตรบูรณาการ  
ในบริบทของการศึกษาอิงมาตรฐานที่ออกแบบและ  
พัฒนาด้วยบริการพรีเพื่อสร้างบล็อกประกอบด้วย  
เนื้อหา 5 หัวข้อหลักคือConcepts and Theories,  
Integrated Curriculum, Process and Examples, OER Hot Links และ French Resources มีที่อยู่บน<sup>3</sup>  
เว็บที่ <http://oer-mef.blogspot.com/p/by-juthathip.html> 2) ผู้ทรงคุณวุฒิด้านเนื้อหาส่วนใหญ่ร้อยละ 93.8 เห็นด้วยกับระดับภาษาประโยชน์ และ  
การนำไปใช้โดยมีผู้ทรงคุณวุฒิจำนวนหนึ่งคิดเป็นร้อย  
ละ 6.22 ไม่เห็นด้วยกับภาษาที่ใช้ในบทนำ 3) สตอรี่  
บอร์ดแบบออนไลน์สำหรับเว็บไซต์คลังทรัพยากร  
การศึกษาแบบเปิดฯที่ออกแบบและพัฒนาตามเว็บ  
ต้นแบบด้วยบริการพรีเพื่อสร้างเว็บมีที่อยู่บนเว็บที่  
<http://rosechong.wix.com/oerforeignlang#!integ>

grated-curriculum/vlqzc. 4) ผู้ทรงคุณวุฒิด้าน<sup>4</sup>  
เทคโนโลยีส่วนใหญ่ร้อยละ 72.72 เห็นด้วยกับการ  
ออกแบบสตอรี่บอร์ดสำหรับเว็บไซต์คลังทรัพยากร  
การศึกษาแบบเปิดฯ ผู้ทรงคุณวุฒิจำนวนหนึ่งที่ไม่  
แน่ใจและไม่เห็นด้วยกับการออกแบบสตอรี่บอร์ด  
บางส่วน คิดเป็นร้อยละ 22.72 และ 4.54 ตามลำดับ  
สาเหตุหลักมาจากการพัฒนาเนื้อหาแหล่งทรัพยากรที่  
ยังไม่สมบูรณ์ข้อเสนอแนะจากผู้ทรงคุณวุฒิ คือ ควร  
เน้นให้ความสำคัญกับการเลือก กำหนดสิทธิ์แบบ  
Creative Commons Licensesสำหรับเนื้อหาจาก  
แหล่งทรัพยากรต่างๆ ให้ถูกต้อง และการใช้รูปแบบ  
ตัวอักษรและขนาดอักษรที่เหมาะสม

**คำสำคัญ:** คลังทรัพยากรการศึกษาแบบเปิด  
การศึกษาภาษาต่างประเทศ หลักสูตรบูรณาการใน  
บริบทของการศึกษาอิงมาตรฐาน

### Abstract

The purposes of this research were to 1) design and develop the online scripts and storyboards; and 2) evaluate the online scripts and storyboards. The 2 sample groups were purposively selected from public and private universities, and the public and private organizations. The first sample group composed of 7 content experts, who evaluated the online content scripts in Phase 1: 4 in English language and 3 in French language. The second sample group was 3 experts in Open Educational Resources (OER) and technology who evaluated the online storyboard in Phase 2. The research instruments were the questionnaires and the online scripts and storyboards. The data were analyzed descriptive analysis and narrative

descriptions. The research results revealed that: 1) the online scripts of the OER on Integrated Curriculum in SBE context for Foreign Language Education, using Blog builder service, comprise of 5 main topics of content: Concepts and Theories, Integrated Curriculum, Process and Examples, OER Hot Links, and French Resources. They are located at the URL: <http://oer-mef.blogspot.com/>; 2) the online storyboards of the OER website designed by using the model of existing OER sites and Web builder service provider, locating at: <http://rosechong.wix.com/oerforeignlang>; 3) most content experts agreed with the level of content and the utility and utilization of the offered resources at 93.8%. Very few uncertainties at 6.22% were on the level of language difficulty used and the beneficial for parents and general users. All of experts found that the OER resources can be very useful for teachers, lecturers, and students due to their innovative concepts of free use and open content. The quality of the resources bases mainly on their selection and categorization, as well as the various data formats: text, slide, video and pdf file/ebook; 4) most experts in OER and technology agreed with the design of the online storyboard for OER website at 72.72%. Few disagreements and uncertainties at 4.54 % and at 22.72%, respectively were mainly due to the incomplete development of the content. The emphasis must be paid especially on the use of Creative Commons Licenses.

**Keywords:** OER, Open Educational Resources, Integrated Curriculum in SBE context, Foreign Language Education

## INTRODUCTION

During the past decades, there have been some changes in the principles and concepts, including objectives, of Thai education. In accordance with the National Education Act B.E. 2542 achieved on August 1999 and amended in 2002, Thai people have equal right to receive basic education that has a quality and free of charge for the duration of at least twelve years. After more than fifteen years of educational reform, Thailand still faces with critical problems of unsuccessful education. Stanley (2013) had cited which teachers seem to be at the center of the causes as follows:

... In 2006, a survey was carried out in collaboration with the University of Cambridge to measure the qualification of 400 Thai English teachers. The revelation was that more than 60% of the English teachers had inadequate knowledge of English and teaching methodology while the other 40% had passing knowledge and teaching skills and 3% of those had reasonable fluency in English. Another revelation was that some teachers were forced to teach English even though they had little or no knowledge of the language. (Saksith Saiyasombut and Siam Voices 2012)

The problems of teachers still lack the knowledge and understanding about Standard - Based Education, especially in Integrated Curriculum field. It will negatively affect the designing of teaching and learning activities in the class. Moreover, the poor English

competency of Thai teacher is unable to benefit from the existing knowledge about Standard-Based Education in the internet. Furthermore, there are great deals of information on the internet but not all of them are categorized and organized. Hence, the OER will help to collect the knowledge for benefit with the educators to study it in the future.

Therefore, the creating a source of learning is easy to access "Open educational resources". It will provide teachers with resources to further their education even more to adapt correctly in their classroom, especially for teaching in integrated curriculum. In addition, the research results had shown that most of French and English language teachers were highly satisfied and aware of the benefits of the open educational resources.

## OBJECTIVES

The objectives of this study were as follows:

1. To design and develop the online scripts and storyboards of the "Open Educational Resources on Integrated Curriculum in SBE context for Foreign Language Education".
2. To evaluate the online scripts and storyboards of the "Open Educational Resources on Integrated Curriculum in SBE context for Foreign Language Education".

## RESEARCH METHODOLOGY

### Population

Foreign language content experts in universities of Thailand and OER and technology experts in universities and organization in Thailand.

### Samples

Data were collected from two sample groups: (1) The sample group of 7 content experts: 4 English language lecturers and teacher from 4 following universities: Thammasat University, Rangsit University, Rajabhat Rajanagarindra University and Rajapruk University and 3 French language lecturers from 2 universities: Kasetsart University and Prince of Songkla, Pattani Campus University (2) The sample group of 1 OER expert from Thai Cyber University Project and 2 technology experts from Kasetsart University and IEC Corporation.

### Research Instrument

1. Research instruments used to design and develop the sitemap OER were:

1.1 English and French resources from the World Wide Web were used to design and develop the sitemap for the OER, composing of the main topics and the sub-topics.

2. Research instruments used to design and develop the scripts and storyboards were:

2.1 Documents and books about script, storyboard and web design were used to design the scripts and storyboards.

2.2 Blog builder service provider: Blogger.com was used to develop the online script for the content of Integrated Curriculum in SBE context.

2.3 Web builder service provider: Wix.com was used to develop the online storyboard for the website of Foreign Language Education OER on Integrated Curriculum in SBE context.

3. Research instruments used to collect the data were:

3.1 Web 2.0 tools and services: Google form was used to develop the online questionnaires for the content experts and technology and OER experts.

3.2 Questionnaire for the content experts was used to assess the experts' opinion toward the content on the online script.

3.3 Questionnaire for the technology expert was used to assess the experts' opinion toward the design of the OER website of Foreign Language Education OER on Integrated Curriculum in SBE context.

#### Data Collection

**PHASE 1:** Information about OER content sitemap “Integrated Curriculum in SBE context”, the URL scripts and the evaluation results

##### The OER Content Sitemap:

The researcher collected the information about “Integrated Curriculum in SBE context” for sitemap design and development from the WWW, the related documents and books.

##### The URL Scripts:

The researcher developed the URL scripts in Word file format and the online scripts in Blog format at Blogger.com, using the collected resources from the WWW.

The Evaluation Results from the Content Experts:

The researcher collected the data from the content experts and improved the URL scripts as being suggested.

**PHASE 2:** Information about the OER website and the evaluation results

The Online Storyboard Design and Development:

The researcher collected the information about the OER website and selected “Jisc” OER website as a model to create the online storyboard, using web builder service provider: Wix.com and the online scripts.

The Evaluation Results from the OER and Technology Experts:

The researcher collected the data from the experts and made the conclusion for the thesis advisory committees. The online storyboard was corrected and improved according to the advices of the committees.

#### Data Analysis

Percentage, descriptive analysis and narrative descriptions were employed to analyze the data.

#### RESEARCH FINDINGS

**1. The design of Online Scripts of the “Open Educational Resources on Integrated Curriculum in SBE context for Foreign Language Education”**

The OER scripts were developed using the script files and Blog builder service, composing of 5 main topics of content with different sub-topics as follows:

##### Main Topic 1: Concepts and Theories

Sub-topic 1: Related Concept and Theories  
Sub-topic 2: Types and Models

##### Main Topic 2: Integrated Curriculum

Sub-topic 1: Methodology and Process  
Sub-topic 2: Models and Process

##### Main Topic 3: Process and Examples

Sub-topic 1: General Curriculums  
Sub-topic 2: Foreign Language Curriculums

**Main Topic 3: OER Hotlinks**

Sub-topic 1: About OER

Sub-topic 2: Related OER Sites

**Main Topic 4: French Resources**

**2. The evaluate of Online Storyboards of the OER Website**

The OER storyboards were developed using the online scripts and Web builder service: Wix.com, the resource links concerning Foreign Language Education in 2

main categories: Curriculum Development and Innovative Instructions as follows:

1. Curriculum Development

- Integrated Curriculum in SBE context
- Standards-Based Secondary Curriculum
- Curriculum Evaluation

2. Innovative Instructions

- Action-Oriented Approach
- Active Learning
- Online Training Management

**The Evaluation Results from the Content Experts and the Experts in Technology and OER**

Items	Level of Agreement		
	Agreed	Disagreed	Uncertain
1. Number and Level of Agreement of the Content Experts for the Online Scripts of “Open Educational Resources on Integrated Curriculum in SBE context for Foreign Language Education”: The Content, Utility, and Utilization	153 (93.8%)	-	8 (6.22%)
2. Number and Level of Agreement of Technology and OER Experts for the Design of the Online Storyboard for OER website: Presentation and Technology Used.	48 (72.7%)	3 (4.5%)	15 (22.7%)

For the evaluation results from the content experts, the findings showed that all of the content experts agreed with the content of the online scripts on language level, utility, and utilization at 93.8%. Only 6.22% of the respondents were uncertain with some items about the language level of content, utility, and the utilization of the content. All of them found that the OER resources can be very useful for teachers and lecturers due to their innovative concepts of free use and open content.

For the evaluation results from the technology and OER expert, the findings showed that the design of the online storyboards for OER website concerning

Foreign Language Education was satisfactory at 72.72%. Very few disagreements and uncertainties at 4.54 % and at 22.72% respectively, were mainly due to the incomplete development of the content. The attention must be paid especially on the use of Creative Commons Licenses and the selection of font sizes and font styles.

**DISCUSSION**

For the sitemap development, as the literature review were carefully studied, the researcher specifically looked into every detail on Integrated Curriculum in SBE context as the related research concerning the application of this approach in teaching and

learning, the topics of content for the sitemap of the OER were, therefore, designed accordingly to the reviewed information.

Hence, all the content experts agreed with the good design for the OER sitemap concerning all topics.

The ideas concerning the development of online scripts in Blog format came from the knowledge and experience of the researcher on the application of Web2.0 tools and services. The inspiration came from the following description of De Montfort University (2015):

“...Blogs and Wikis are web tools that allow you to share and collaborate on the internet. A blog is short for a web log and can be a useful tool for recording reflections, personal experiences, opinions, to reporting or making commentary on event...”

And of Selwyn, N. (2008):

“...The use of blogs and wikis in education is relatively well established and supports existing pedagogies of reflective writing (the blog) and teamwork (the wiki)...”

The easy to use tool like Blogger.com allows every user to create various types of data presentation, from multimedia to the blog and website development. Not any knowledge on programming language is needed as many tutorials are provided for the use of Blogger.com. (Thomson, 2008)

For the storyboard development, the researcher used Wix.com which is Web builder service to design and develop the online storyboards because of its various functions and features of Web 2.0 Technology.

Many features on this service such as the option for free usage, the various Web

templates, and the gallery of many Web components make it very easy for users without the programming knowledge to develop the professional website. In addition, as this Web builder service had gain popularity from wide range of users; the site continues to grow and more innovative features are regularly added like the template with OER characteristics.

However, one expert in technology gave the suggestion about the free service that it can turn into the service with charge in the future.

#### CONCLUSION AND RECOMMENDATIONS

This research had proved that: 1) the online scripts of the OER for Foreign Language Education on Integrated Curriculum in SBE context, using Blog builder service, comprise 5 main topics of content: Concepts and Theories, Integrated Curriculum, Process and Examples, OER Hot Links and French Resources. They are located at the URL: <http://oer-mef.blogspot.com/>; 2) the online storyboards of the OER website, were designed, using the model of existing OER sites and Web builder service provider and locating at: <http://rosechong.wix.com/oerforeignlang>; 3) most of the content experts were agreed with the level of content and the utility and utilization of the offered resources at 93.8 %. Few disagreements at 6.22 % were on the language used in introduction, the content experts and the technology experts. All of them found that the OER resources can be very useful for teachers and lecturers, as well as students and general users due to their innovative concepts of free use and open content. The quality of the resources bases mainly on their selection and categorization, as well as the

various data formats: text, slide, video and pdf file/ ebook; 4) most of the experts in OER and technology were agreed with the design of the online storyboard for OER website at 72.72%. Very few disagreement and uncertainty, respectively at 4.54 % and at 22.72%, were mainly due to the incomplete.

I recommend that before developing the website using the scripts and storyboards of the “Open Educational Resources on Integrated Curriculum in SBE context for Foreign Language Education”, the new developers should study the usage models and methods of the OER website.

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