

## The Development of Electronic Photo Book “Wat Phra That Pha Son Kaeo”

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### Abstract

The study aims at 1) to evaluate the quality of the electronic Photo Book on "Wat Phra That Pha Son Kaeo", 2) to assess the audience's satisfaction with the electronic Photo Book "Wat Phra That Pha Son Kaeo" The samples group were 30 people, using convenience sampling. The research instruments including 1) electronic Photo Book "Wat Phra That Pha Son Kaeo", 2) Electronic Photo Book Quality Assessment form 3) Electronic Photo Book Satisfaction Assessment Form. The statistics used to analyse the data are percentage, average, and standard. Result of an Analysis of Satisfaction Assessment form, a test of Confidence by Cronbach's alpha Coefficient equal to 0.76.

The study found that 1) result of an assessment of the Electronic Photo Book by experts, in overall at highly appreciated, with mean equal to 4.23, 2) result of the samples group's satisfaction assessment for the Electronic Photo Book at highly appreciated, with mean equal to 4.39.

**Keywords:** *Electronic Photo Book, Wat Phra That Pha Son Kaew, Photo Book, Electronic Book*

### I. INTRODUCTION

#### A. Statement of the problems

Wat Phra That Pha Son Kaew is a newly built temple in year 2004. It was formerly a Buddhist dhamma located in The Hangdang village, Campson sub-district, on the foothills of Khao Pha Son Kaew. It is famous for its magnificent beauty, which is combined with the construction of Buddhist art. The temple is located on the foothills of a high mountain, with 360 degree panoramic views. It has become both a beautiful place in fairness and natural beauty that attracts visitors to Phetchabun province [1].

Nowadays, there are many media formats that focus on collecting images, called scrapbooks or photo books, then converting files to be digitally available, so it is called electronic photo books. Therefore, the researcher had the idea of producing media that recorded images and information of Wat Phra That Pha Son Kaew, Phetchabun. Due to it is a beautiful place, aesthetic value can be disseminated using the principle of photography art. Culture through auspicious buildings with Buddhist concepts, such as Phra That Pha Son Kaew Pagoda, Siriraj Thammanarumit Maha

Viharn, the five Buddha Images, Phra Piya Buddhist Trilokkanat, Phra Piya Buddha Borom Trai Lokanat, Buddhachai Mongkol Pillar, and ornament [2].

According to the study, researchers see the beauty of Wat Phra That Pha Son Kaeo, Phetchabun province, and wanted to create a photo book to record beautiful images and valuable information. So they could publish an electronic photo book to give interested parties an insight into the beauty and value of Wat Phra That Pha Son Kaeo. Which can be published on the Internet, and expect tourism value. Then interested in traveling in real places and gain a deeper understanding of what is auspicious at Wat Phra That Pha Son Kaew, Phetchabun Province.

#### B. Scope of the study

The population are all citizen.

The samples group are the citizen, using convenience sampling method.

Content scope, presents the Buddhist auspiciousness of Wat Phra That Pha Son Kaew, such as Phra That Pha Son Kaew Pagoda, Siriraj Thammanarumit Maha Viharn, the five Buddha Images, Phra Piya Buddhist Trilokkanat, Phra Piya Buddha Borom Trai Lokanat, Buddhachai Mongkol Pillar, and ornament.

#### C. Objectives of the study

1) To evaluate the quality of the electronic photo books of " Wat Phra That Pha Son Kaew ".

2) To assess the audience's satisfaction with the electronic photo books of " Wat Phra That Pha Son Kaew ".

### II. LITERATURE REVIEWS

The relevant research studies are as follows.

Theewara Platapiantong. [3] The research results were: 1) the students' vocabulary learning achievement after using mnemonics and vocabulary picture books was significantly higher than before at the .05, 2) the students' opinions toward teaching vocabulary using mnemonics and vocabulary picture books were at the highest level and 3) the students' retention in teaching vocabulary using mnemonics and vocabulary picture books was not different from the post-test.

Kathawut Sriya [4] study on The Development of Supplementary E-Books Lopburi Ancient Muay Thai for third Grade Students under Lopburi Provincial Education Office. It aims to develop e-books for supplementary learning Lopburi ancient Muay Thai,

effectively according to the benchmarks and to compare knowledge and understanding of the study. The samples group are 68 third-grade students affiliated with Lopburi Provincial Education Office. The research instrument used in the study were e-books to supplement their studies, lessons and quizzes. The results showed that e-books supported the study with 86.12/89.92, above the required 80/80 threshold. Besides comparative cognitive results, the post-learning score was higher than the pre-learning score, with an average pre-learning score of 9.87 points and an average post-learning score of 19.83 points. So students had a higher understanding of the overall development score equal to 41.12 per cent.

Fitri Tokuchi, Soriya Baoji Asma [5] study aims to develop EPUB3 standard e-storybooks to promote the morality and ethics of social media for elementary school students. The results showed that the development of EPUB3 standard e-storybooks on "Thai children know socially". Highlights of audio descriptions accompanying text describing the evaluation results. The design of EPUB3 standard e-storybooks is of high quality; the average is 4.16. When considering each aspect, it found that the balance of the composition on the screen. E-storybooks is easy to use, and Electronic tales are suitable for learning through electronic devices such as handheld computers and tablets; at a high quality, the average is 5.00. Therefore, according to the studies on the preparation of e-books, to guide the preparation of electronic photo books in the proposed study.

### III. METHODOLOGY

The main steps are as follows.

1. Create a data collection tool, a satisfaction of an electronic photo books assessment form, using the five levels Likert rating scale.

2. Present assessment form to experts and samples group for assess the Item-Objective Congruence Index (IOC) and select the clause with an assessable result of +1. The experts confirmed the consistency, and it contained questions with an IOC value of 0.7-1.00.

3. Finding the quality of the samples group' satisfaction assessment form with 30 people. The result of the confidence assessment uses the Cronbach Alpha coefficient analysis equals 0.76.

4. Analysing the guidelines for presenting content issue by the interviews with Phra Ajarn Sittha Sitthichayo, assistant abbot of Wat Phra That Pha Son Kaew, to summarises the contents of the photo books such as Phra That Pha Son Kaew Pagoda, Siriraj Thammanarumit Maha Viharn, the five Buddha Images, Phra Piya Buddhist Trilokkanat, Phra Piya Buddha Borom Trai Lokanat, Buddhachai Mongkol Pillar.



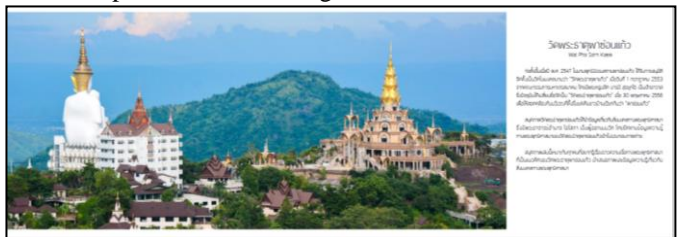
**Figure 1:** Interviews with Assistant Abbot Wat Phra That Pha Son Kaew.

5. Coordinate with the staff who support Wat Phra That Pha Son Kaew to plan the photography work to record each day when there is proper light and not disturb the meditators. So the working time is between 16.00-18.00.

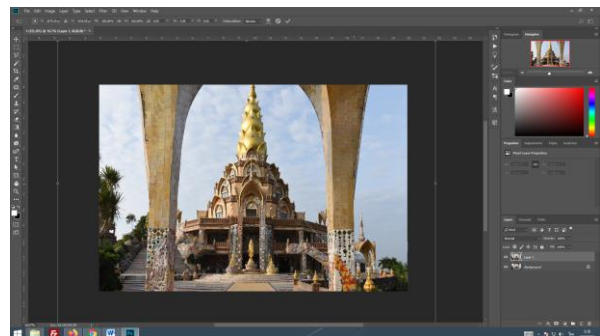


**Figure 2:** To shoot the scene on site.

6. Design the layout of the photo books, including the front cover, back cover, and the content to plan illustrations both vertically and horizontally. The experts in the design of print media assess the suitability, an example has shown in Figure 3.



**Figure 3:** Post-processing with packaged software.



**Figure 4:** Post-processing with packaged software.

7. Apply post-processing with packaged software to make the right colour for print and digital media presentations, which used different colour presentations; an example has shown in Figure 4.

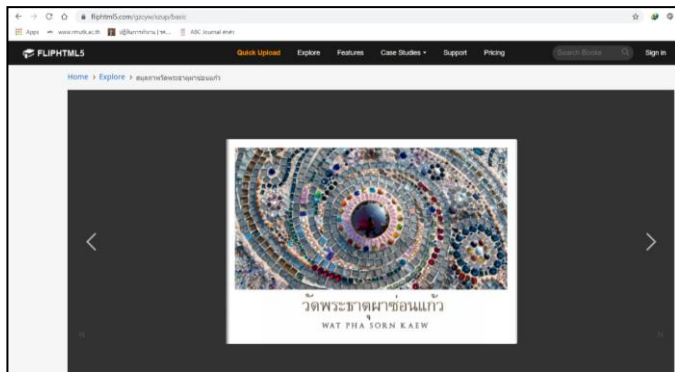


Figure 5 : Published works on the Internet.

8. Assess the suitability quality of the electronic photo books by experts
9. Assess the satisfaction of the electronic photo books by samples group, using online questionnaires via the Google Form.
10. Analyse statistics using mean and standard deviation, then summarise the results.

#### IV. SUMMARY AND DISCUSSION OF RESULTS

Assessment results of electronic photo books by experts can be summarised as follows.

TABLE 1 ASSESSMENT RESULTS OF DESIGNING ELECTRONIC PHOTO BOOKS.

Issues	( $\bar{X}$ )	(S.D)	Interpretation
1. Design the cover with beautiful illustrations, and arrange the title text appropriately.	4.33	0.58	High
2. Choose the font size and format that corresponds to the work content.	4.00	0.00	High
3. Layout of images and text is appropriate.	3.67	0.58	High
4. Image grouping, good content communication, with consistency.	4.33	0.58	High
5. Choose the right paper which promotes colourful images.	4.33	0.58	High
Average	4.13	0.46	High

According to Table 1, Assessment results of designing electronic photo books, at highly appreciated, by an average of 4.13.

TABLE 2 ASSESSMENT RESULTS OF VISUAL TECHNIC AND CONTENT.

Issues	( $\bar{X}$ )	(S.D)	Interpretation
1. The photo is beautiful, presents creative visual perspectives.	4.67	0.58	Highest
2. Present photo that use natural light and beautiful tones.	4.67	0.58	Highest
3. Present the practical issues of Wat Phra That Pha Son Kaew.	4.00	0.00	High
4. Content order, content categorise, it correspond accordingly.	4.00	0.00	High
5. Overall of electronic photo books, benefits to spread to interested parties about the value of Wat Phra That Pha Son Kaew.	4.33	0.58	High
Average	4.33	0.35	High

According to Table 2, Visual Technic and Content Assessment result by experts at highly appreciated, by an average of 4.33.

TABLE 3 ASSESSMENT RESULTS OF ELECTRONIC PHOTO BOOKS BY EXPERTS.

Issues	( $\bar{X}$ )	(S.D)	Interpretation
1. Design of photo books.	4.13	0.46	High
2. Visual technic and content.	4.33	0.35	High
Average	4.23	0.41	High

According to Table 3, the assessment results of Electronic photo books by experts, overall at highly appreciated, by an average of 4.23.

Assessment results of Electronic photo books by samples group summarised as follows.

**TABLE 4** ASSESSMENT RESULTS OF ELECTRONIC PHOTO BOOKS BY SAMPLES GROUP.

Issues	( $\bar{X}$ )	(S.D)	Interpretation
1. Photo books cover using beautiful photos communicate with Wat Phra That Pha Son Kaew.	4.06	0.75	High
2. The illustrations in the book present beautiful and exotic photos.	4.63	0.48	Highest
3. The information described in the picture is detailed, providing appropriate knowledge.	4.25	0.43	High
4. Present photos and information show the value of Wat Phra That Pha Son Kaew. It makes me interested in going to a real place.	4.38	0.70	High
5. Electronic photo books use exciting technology to promote easy access.	4.63	0.48	Highest
Average	4.39	0.57	High

According to Table 4, Assessment results of Electronic photo books by samples group at highly appreciated, by an average of 4.39.

## V. DISCUSSIONS

The results of the electronic photo books preparation were assessed by the samples group, at highly appreciated, by an average of 4.25. Use exciting technology to promote easy access at mostly appreciated, by an average of 4.63. Besides, study on “Development of e-books on Buddhist principles for 5th-grade students at Wat Mongkol School, Chalermprakiat District, Saraburi Province” [6] focused on developing media that can be published on social networks, archiving of the message immediately. Therefore, the concept of producing print media such as books and photo books. In addition to designing as a booklet. It is also essential to make the book a digital file, ready for distribution over the Internet. To provide viewers with more convenient and easy access to electronically produced media.

This research work is the production of photographic media to record the beauty of the image in terms of art and culture. The value of the temple for use in art and culture and record information by using text to describe the image. Electronic photo book media prepared for the benefit of dissemination to the general public and promote tourism to the area to attract tourists to visit this temple as well.

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