



3. ผู้เข้าอบรมมีผลการเรียนรู้หลังการอบรมสูงกว่าก่อนการอบรมอย่างมีนัยสำคัญทางสถิติที่ระดับ .05
4. ผู้เข้ารับการอบรมมีความพึงพอใจต่อรูปแบบการอบรมการพัฒนาหนังสืออิเล็กทรอนิกส์ที่ผู้วิจัยพัฒนาขึ้น อยู่ในระดับพึงพอใจมาก
5. คุณภาพของหนังสืออิเล็กทรอนิกส์ที่ผู้เข้ารับการอบรมพัฒนาขึ้น อยู่ในระดับความเหมาะสมมาก



มหาวิทยาลัยราชภัฏมหาสารคาม  
RAJABHAT MAHASARAKHAM UNIVERSITY

**Title:** Training Model of Electronic Book Development

**Author:** Narathip Thongpan

**Degree:** M.Ed (Computer Education)

**Advisors:** Asst. Prof. Dr. Pisutta Arreerard

Chairperson

Asst. Prof. Dr. Wittaya Arreerard

Committee

**Rajabhat Maha Sarakham University, 2011**

### **Abstract**

The objectives of the research were to: 1) develop training model of electronic book development to be a quality book, 2) develop training tool kit of electronic book development to be a quality book, 3) compare the outcomes of trainees before and after training using the developed training model, 4) investigate the trainees' satisfaction after training using the developed training model, and 5) evaluate the quality of the developed electronic books. The subjects were 50 teachers and educational personnel who had been the second group of training the development of electronic books at Nangrong District, Buriram Province. The instruments of the research were: 1) a training model of electronic book development, 2) an assessment form of the training model of electronic book development, 3) a training tool kit of training model of electronic book development, 4) an assessment form of the training tool kit of training model of electronic book, 5) a learning assessment test, 6) an assessment form of the quality of the electronic book, and 7) a trainees' satisfaction questionnaire. The statistics used were basic statistics and t-test (dependent sample).

The results of the research were as follow:

- 1) The developed training model of electronic book was at a high level.
- 2) The training tool kit of training model of electronic book development was at a high level.
- 3) The outcomes of trainees after training were significantly higher than before training at the .05 level.

4) The trainees satisfaction through the training model of electronic book development was at a very suitable level.

5) The quality of the developed electronic books was at a very suitable level.



มหาวิทยาลัยราชภัฏมหาสารคาม  
RAJABHAT MAHASARAKHAM UNIVERSITY