

<b>Research Title</b>	The Development of Executive Function for Preschool Children Through STEM Education Learning Experience Provision on Local Thai Dessert 4 Region Cooking Activities.
<b>Researcher</b>	Mrs.Kanyarat Chukleing Miss.Thanapun Petsate and Mrs.Kesorn Khwunma
<b>Research Consultants</b>	Asst.prof Sudthipan Thirapong Ph.D
<b>Organization</b>	Bachelor of Education Program in Early Childhood Education Faculty of Education Suan Dusit University
<b>Year</b>	2019

The purpose of this research as follows

1. To create a full learning set, study the subject Cooking in 4 types of Thai desserts to improve brain skills for a successful life (Executive Function = EF) for early childhood.
2. To compare the development of brain skills for a successful life (Executive Function = EF) for early childhood Through the provision of a full learning experience to study the subject 4 types of traditional Thai dessert dishes before and after the event.
3. To compare the differences of brain skills for a successful life (Executive Function = EF) of early childhood. Through the provision of a full learning experience to study the subject 4 types of Thai traditional desserts and experiences according to the learning experience plan.

The samples used in the experiment were children aged 5 - 6 years, studying in kindergarten level 3, 20 schools, a total of 600 people The sample group used in this research was 600 preschool children, women and men aged 5 - 6 years who were studying kindergarten 3, 1st semester, academic year 2018, 20 schools under the Suphanburi Educational Service Area Office 2 by Divided into 300 experimental groups and 300 control groups The tools used in the research are the full learning set. Cooking for 4 types of Thai desserts to improve brain skills for a successful life (EF) for early childhood Learning experience plans for early childhood Evaluation of brain skills development for a successful life (EF) for early childhood And behavior record for developing brain skills for

a successful life (EF) for children Performance assessment from. Mean, Standard deviation and T – test were used to analyze the obtained data and content analysis. From developing brain skills for a successful life Executive Function (EF) for early childhood for all 9 children is divided into 3 skills groups. Group 1 is Basic skill group include 1) Working memory 2) Inhibitory Control 3) Cognitive Flexibility Group 2 Self-directed skills group include 4) Focus Attention 5) Emotional Control 6) Self - Monitoring Group 3 Practical skills group include 7) Initiating) 8) Planning and Organizing 9) Gold – Directed Persistence Through STEM Education Learning Experience Provision on Local Thai Dessert 4 Region Cooking Activities Research results are as follows.

1. Arranging a full learning experience to study the subject 4 types of Thai desserts, can develop the brain skills for the successful life of the child. Both overall and each aspect has a higher post-test score than before the experiment. With statistical significance at the level of .05

2. The average score of brain skills for a successful life (EF) through the provision of a full learning experience. 4 types of Thai traditional desserts are higher than the average score of brain skills for a successful life (EF) by providing experience based on a learning experience plan.