

# An Information System Model for One Tampon One Product Management in Thai Supply Chain

Artaphon Chansamut

*Office of Dean, Faculty of Home Economic Technology, Rajamangala University  
of Technology Krungthep, Thailand  
artaphon.c@mail.rmutk.ac.th*

**Abstract**— The research about an information system model for one Tampon one product management in Thai supply chain. The purpose of this research were to develop and to evaluate an information system model for one Tampon one product management in Thai supply chain.. A sample groups were five experts in supply chain , five experts in Information system . The paper sample totalling ten experts. The paper tool was evaluation form to evaluate an information system model for one Tampon one product management in Thai supply chain comprises seven components, namely main components, Supplier, OTOP firms, Outlet . wholesaler, Retailer, Customer .The data analysed by using arithmetic mean and standard deviation. an information system model for one Tampon one product management in Thai supply chain using Back-Box technique. The results from experts agreement of an information system model for one Tampon one product management in Thai supply chain. It showed that the model could be used to develop information system.

**Keywords**— *An information system model, one Tampon one product management ,Thai supply chain*

## 1. Introduction

The local business . One Tampon One Product is especial policy that was attempted by the movement to optimize the management of One Tampon One Product The best product of each district will be selected once every 2 year by prepare the database and classify the level of product's development into 1 to 5 stars for product's development plan appropriately. Currently . have report product registered OTOP firms in 2012 from report of the Community Development. Department. Ministry of Interior Has increased to 71.739 items and report the number of operators who registered manufacturer. Operators OTOP in Thailand in 2012.both the new and old. With 36.092 cases. Which are added up to generate revenue continuously. Are added up to generate revenue continuously.when the that government has announced a policy that strives to improve. The efficiency of logistics management and supply chain in Thailand. To sufficiency economy competitiveness in the global area. [14] especially supply chain and information system because the business and industrial sector needs to be highly competitive due to increasingly high competitions

from both within and outside the country. In order to be highly competitive, organizations in the sector need to have personnel with knowledge, ability and skills who can work efficiently to increase output and products. The organizations, therefore, need to have sufficient information and resources to increase their values and respond to the demand of their customer. Thus, the supply chain management process is a key process to support the organization's whole activities system from upstream to downstream. It enables the organization to promptly check the information system to ensure that the organization operates smoothly and effectively based on the determined strategies.[1] Based on this realization, the researcher has decided to develop an information system model for one Tampon one product management in Thai supply chain.

## 2. Related work

Supply chain and Information Management Systems supply chain and Information Management systems have the potential to change organizations and promote the emergence of new businesses. Their main goal is to enhance information flow and facilitate the decision making process. An information management system is one of the few elements of supply chain that can offer both improved performance and lower cost. It enables organization to maintain key information in an accessible format and helps to take operational and planning decisions. The adoption and successful implementation of software and network technology contribute in a large way for the supply chain success facilitating the flow of information and enhancing the efficiency of supply chain activities.

Logistics activities are key activities in the supply chain, including planning, designing, implementing and managing the flow, storage of materials and information exchange in order to support basic logistics functions such as procurement, distribution, transportation, inventory management, packaging and manufacturing. Information technologies are seen as a resource of an organization, as a source of its competitive

advantage and serve as a catalyst of change in an organization.[15]

### 3 Research Methodology

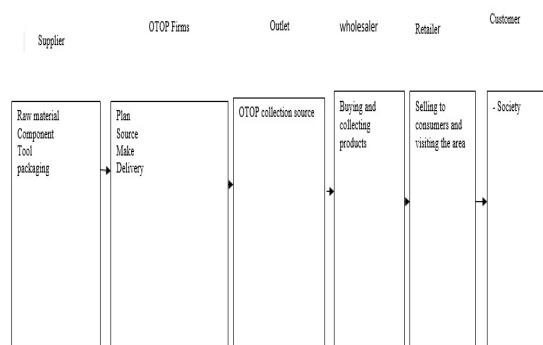
3.1 Synthesize document and research studies related of an information system model for one Tampon one product management in Thai supply chain

3.2. Develop an information system model for one Tampon one product management in Thai supply chain

3.3.Evaluate an information system model for one Tampon one product management in Thai supply chain. The statistics utilized in study were rate means and standard deviation following the weighing criteria of Appropriateness of the design using five rating scales of Likert.

### 4 Research Findings

4.1 Research findings on an information system model for one Tampon one product management in Thai supply chain are presented in Figure 1



**Figure 1:** An information system model for one Tampon one product management in Thai supply chain

From Figure 1 the movement of production and distribution OTOP Firms product. The supply chain of the product from OTOP production of the Raw material suppliers . The materials will very according to the type of products with difference ingredients. It performs the duty to transform raw materials, or entering Raw material, into the finished products. The OTOP Firms will perform its duty of product development and evaluation. It is based on the consideration that all supply chain tasks and activities can be assigned to four fundamental processes - plan, source, make, deliver . Suppliers and operators OTOP may receive material directly from the farmers. villager received from suppliers from in the locals etc. The wholesalers and delivery in the country and abroad for adding value to consumers. [7],[8],[ 9],[10],[11],[12],[13]

**Table 1:** Results for evaluation of an information system model for one Tampon one product management in Thai supply chain

No.	Items	$\bar{X}$	S.D.	Suitability
1	Main components	3.66	0.66	High
2	Supplier	3.65	0.63	High
3	OTOP Firms	3.62	0.79	High
4	Outlet	3.60	0.69	High
5	wholesaler	3.70	0.48	High
6	Retailer	3.72	0.63	High
7	Customer	3.60	0.69	High
	<b>Total</b>	3.65	0.65	High

From table 1, that ten experts found that an information system model for one Tampon one product management in Thai supply chain is highly appropriate ( $\bar{X} = 3.65$ , S.D. = 0.65).

### 5 Discussion

According to evaluation an information system model for one Tampon one product management in Thai supply chain is considered to be high appropriate ( $\bar{X} = 3.65$ , S.D. = 0.65), and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply chain and information system about educational [1] In addition, with the study of chansamut suggesting that supply chain and information system also. [2],[3],[4],[5],[6]

### 6 Conclusion

an information system model for one Tampon one product management in Thai supply chain is appropriate at the high level development ( $\bar{X} = 3.65$ , S.D. = 0.65). It can support sustainable information system

### Recommendation

An information system model for one Tampon one product management in Thai supply chain is considered to be high appropriate if possible it should create database for the developed model.

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