

Phatsa Poongpermtrakul 2012: Strategic for Enhancing Standard Control System of Agriculture and Food Products in Thailand. Master of Science (Agro-Industry Technology Management), Major Field: Agro-Industry Technology Management, Department of Agro-Industry Technology. Thesis Advisor: Assistant Professor Chutima Waisarayutt, Ph.D. 147 pages.

Management system and food quality control is the structural method to protect consumers from unsafe foods. According to FAO/WHO Guidelines, such safety and quality management system should cover five elements. There are Food Law and Regulations, Food Control Management, Inspection, Laboratory and Information Education and Training. This research has been evaluated for the completeness of such five elements on the food safety and quality management system of Thai agricultural products and the food supply chain. The system evaluation was focused on the structure of Ministry of Agriculture and Cooperatives underneath the cooperation between National Bureau of Agricultural Commodity and Food Standards and relevant departments and also studied standard control system of cabbages, Thai jasmine rice, cassavas, tilapias and pigs. All data were collected through field survey, interview stakeholders and secondary data. SWOT analysis and TOWS Matrix were used as a tool for establishing strategic plans, suggested as guidelines for enhancing standard control system of agricultural and food products. The suggested strategic plans have been verified by the experts of agricultural and food standard in relevant organizations via questionnaires and focus group. All feedback results have concluded on the basis of statistical analysis.

The study found that Thailand has food safety and quality system distributed fragmentally in individual regulatory body along the supply chain. However, it lacked in interoperability of Regulatory Agencies Standards in term of roles, transfers information and management of food control system and lacked controller in using pesticide of farmers. This study also suggests the control system of cabbages and tilapias that should be controlled all products at the upstream units. While Thai jasmine rice and non standard pig-farm should be controlled at the upstream and midstream units. Cassavas production and standard pig-farm are already controlled by processors. This paper recommends strategies for National Bureau of Agricultural Commodity and Food Standards (ACFS) to manage standard control system of agricultural and food product in Thailand.

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