

Title : The development of “Ready-to-eat Thai style Maki set”
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Abstract

The aim of this project was to develop the Japanese traditional Maki as Thai style Maki, which shall be convenience for one consumer in a serving size. The mixing of glutinous rice (sticky rice) and Jasmine rice were used instead of Japanese rice. In addition, the product was filled by the Thai style fillings which were chosen from the marketing survey by target consumer. There were three differences filling in one serving size which were Stir fry pork with mushroom, Omelet with carrots and Pork pa-nang curry. The formulation step was conducted to select the appropriate ratio between glutinous rice and jasmine rice by using 9-point hedonic scale. The appropriate ratio selected by the panelists between jasmine rice and glutinous rice was 50:50. The sensory evaluation of the product attributes of each three differences filling and the appropriate ratio between rice and filling were evaluated. The results showed that the appropriate ratio between rice and filling was 25:75. Thus, the process development was conducted, which mentioned on the time for reheating of microwave oven. The appropriate time for reheat “ready-to-eat Thai style Maki set” product was 1.30 minutes, which keeps the qualities of product attributes. After finding out the final formulation and appropriate reheating time, the consumer acceptance test was conducted by Central Location Test and Home Use Tests methods. More than 97% of consumers accepted the product and more than 80% are willing to pay for product if it available in the market. Finally, the storage time was evaluated by means of sensory evaluation. The sensory evaluation was conducted at Day 1, Day 4 and Day 7 during storage of products by using 9- point hedonic scale. The result showed that ready-to-eat Thai style Maki set are accepted during storage more than 7 days without changing the quality of the products.

Keywords : Maki, Jasmine rice , Glutinous rice, Ready-to-eat.