## Recipe Development of Avocado Paste Replacing Dairy Products in Ice Cream

Miss CHENG Hoi Tsing，BA（Hons）in Culinary Arts and Management， Faculty of Management and Hospitality Supervisor：Dr LEUNG Tsui Yan Vicky，Assistant Professor

## Introduction

The recipe development of avocado paste applied in ice cream recipes is the focus of investigation based on the research done by Surjawan \＆Abdillah（2018）．They had made flavorless ice cream，and $50 \%$ avocado paste to replace milk in the recipe is preferred due to the bitter taste．The research further explored whether the higher ratio of avocado paste （ $50 \%$ and $75 \%$ ）could replace dairy products （coconut milk and cream）when making flavored chocolate ice cream．

## Objectives

－To create a plant－based＂ice cream＂base on general applications in developing different flavors．
－To conduct recipe testing on vanilla and chocolate＂ice cream＂using different ratios of avocado paste and coconut milk．
－To conduct sensory analysis on the specified products．

## Quantitative Analysis

＊Sample size： 30 responses
＊Descriptive analysis
＊Regression
＊Friedman test
＊Hypothesis test
CON


## Findings

－AVO－CO was preferred for both vanilla and chocolate flavors．
－AVO was preferred for some preferences in the vanilla flavor．
－Color is not significantly associated with any of the ice cream formulations．
－The results suggest that the use of avocado paste in non－dairy ice cream formulations can significantly affect various attributes of the final product．

## Conclusion

The study＇s findings suggest that avocado paste can be used as a natural ingredient to reduce the amount of sugar in ice cream，increase its nutritional value，and create a healthier product while maintaining its desirable flavor and texture．
＊Two flavors：vanilla and chocolate
＊Three ratios of ingredients：whole milk（CON）， $50 \%$ avocado and $50 \%$ coconut products （AVO－CO），and 75\％avocado and 25\％ coconut products（AVO）
＊Vanilla ice cream recipe：milk（47．9\％），condensed milk（18．4\％），heavy cream（18．4\％），sugar（9．2\％）， corn－starch（4．1\％），and vanilla paste（1．8\％）
＊Chocolate ice cream recipe：milk（42．4\％）， condensed milk（16．6\％），heavy cream（16．6\％）， sugar（8．3\％），dairy－free couverture chocolate （7．1\％），cocoa powder（5．3\％），and corn－starch （3．7\％）

