



# **SMART KITCHEN SAFE (K-SAFE PRODUCT)**

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## CHAPTER 1

### 1.0 PRODUCT DESCRIPTION

#### 1.1 Introduction

After prefix observation towards the family and student life, the team had chosen a product that can solve part of the problem that happens with them. The product is Smart Kitchen Safe. This product is a time-lock container for diverse things such as food, gadgets, and other items to lock. It also supports materials that have temperature which can change food or drink to be hot and cold. This product is suitable for families to have at home and also for students to keep their important things.

#### 1.2 Purpose of Development

The purposes of the product development are:

- To keep and save important things such as medicine and mobile phone with lock system
- To maintain the temperature of food being hot and cold.
- To help parents keep save their important things from children

#### 1.3 Product concept

- For family safety things by create their own time locks system
- For student to help bring a care their food

#### 1.4 Application

##### 1.4.1 Function

- Lock System – System used to lock the product when user pick time to keep lock and once time is out, the product will open automatically.
- Alarm Sensor - The sensor is used to detect if someone try to open the product without time create is not out. The sound of alarm will be lauder.

- Temperature system – The multi function of temperature is mix the hot and cold temperature and suitable for food and drinks.

### 1.5 Uniques features

The uniqueness of the product for availability in Malaysia market consist of :

- Verse 2in1 function product which is for safety things also for keep food mix temperature ( hot and cold )
- Interactive with lock system by time creating support by alarm censor– To keep things safe

#### 1.5.1 Picture Description

For the picture description of product are:

Front and Top view of physical product

