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# FUNDAMENTALS OF STATISTICS (STA111)

## AWARENESS OF SIDE EFFECT OF BEAUTY AND SLIM PILLS

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# CHAPTER 1

## INTRODUCTION

### 1.1 BACKGROUND OF STUDY

Nowadays , some of us do not care too much about awareness of taking beauty and slim pills. They just take the pills just for beauty and slim body without considering the side effects that can happen to their bodies whether it is good or not . One of the doctor in Malaysia said that has happened once situation in our country, a lady had to be put in an ICU ward because her heart failure. The doctor said that, it is because that lady consumed the beauty and slim pills. So, its already very clear that this pills should not be taken for every people.

The aim of this study is to expose to all Faculty of Computer and Mathematical Science students about the side effects of taking beauty and slim pills . This study will help the students who are very obsessed with beauty and slim body to think wisely before taking the pills . This study also can help the students to know that beauty and slim pills has a bad effect which is it can cause kindey failure and heart attacks. It also can increase heart rate. Lastly, beauty and slim pills can cause diarrhea and can develop disease of sleeplessness.

### 1.2 PROBLEM STATEMENT

Problem statement of this study is lack of awareness of the students about side effects of beauty and slim pills . Some of students did not know about the side effect of taking beauty and slim pills that can cause dangerouse diseases like kidney failure and heart attack.

### 1.3 OBJECTIVES

The objectives in this study are written as below .

- i. To investigate the awareness about the side effects of beauty and slim pills among Faculty of Computer and Mathematical Science students .

### 1.4 SIGNIFICANCE OF STUDY

The findings of this study will be useful to the students as well as their family members because the students will know about the side effects of beauty and slim pills and will be automatically not take this dangerous pills. So, the ammount patient of kidney failure and heart attact will be decrease.

Besides that , with this knowledge , it can give benefits to health minister to know the ammount of the students who did not aware about this beauty and slim pills. So that, they can cooperate with the University to give a talk about the side effect of taking beauty and slim pills.

## CHAPTER TWO

### METHODOLOGY

#### 2.1 TARGET POPULATION

Population of the study can be defined as a population consists of all subject that are being studied. In this study, the target population is all 500 of Faculty of Computer and Mathematical Science students in UiTM Machang.

#### 2.2 SAMPLE

The definition of sample is a group of subjects selected from a population. Population have large number of our targets therefore it takes a lot of times, energy and high cost. So, because of that, we use sample to gain information about the population since sample is a small group from the population. We can save our times, energy and money.

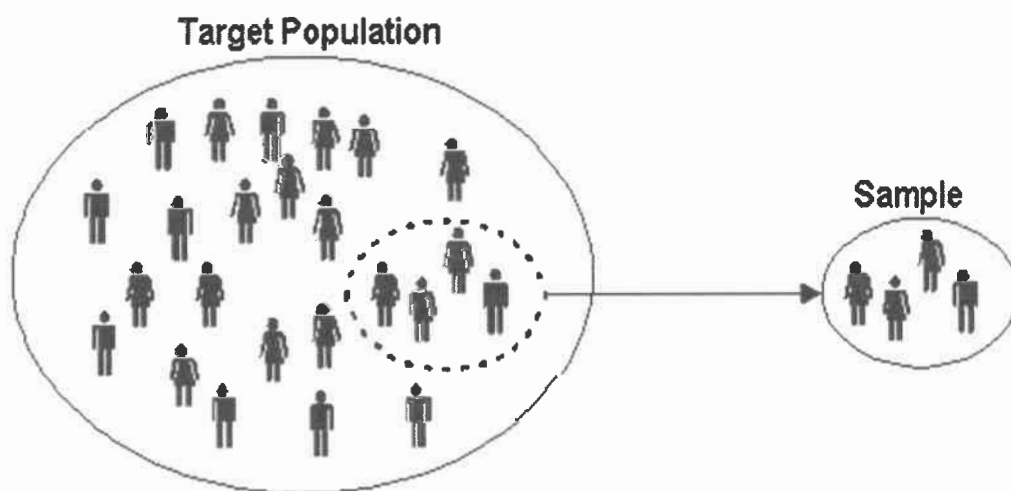



FIGURE 2.1 Shows the illustration of sample from population



What margin of error can you accept?  %  
5% is a common choice

What confidence level do you need?  %  
Typical choices are 90%, 95%, or 99%

What is the population size?   
If you don't know, use 20000

What is the response distribution?  %  
Leave this as 50%

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Your recommended sample size is **218**

FIGURE 2.2 Show the recommend sample size based on the Raosoft

Based on the Raosoft, the sample size is 218.

However, to facilitate the study, the sample size for this study is only 60 since this study is a small scale study.

### 2.3 SAMPLING FRAME

Sampling frame is a list of all population elements. The list must contains the information of the population elements. It consists of name, student id, address, phone number and email address of all 500 of Faculty of Computer and Mathematical Science students in UiTM Machang.

In this study, the sampling frame is a list of name, students id, address, email address and phone number of all 500 of Faculty of Computer and Mathematical Science students in UiTM Machang. Figure below shows the sampling frame for this study.

### 2.4 SAMPLING TECHNIQUE

There are two types of sampling technique; probability sampling techniques and non-probability sampling techniques. Probability sampling techniques consist of 5 types which are sample random sampling, stratified sampling, cluster sampling and multistage sampling. While non-probability sampling techniques are divided into 4 types which are convenience sampling, judgemental sampling, snowball sampling and quota sampling.

In this study, probability sampling techniques is applied. The sampling techniques used is systematic sampling.