

## **CHAPTER III**

### **OBJECTIVES**

#### **2.1 General objective**

To extract dietary fiber from corn silk and determine its physical and chemical properties as well as potential application in food products.

#### **2.2 Specific objectives**

1. To extract dietary fiber from corn silk by alcoholic extraction using 95% ethanol
2. To determine the physical and chemical properties of corn silk dietary fiber
3. To compare the physicochemical properties of dietary fiber from the extraction with different pre-treatment step
4. To develop corn silk dietary fiber in food products

#### **2.3 Expected outcomes**

1. Corn silk can be used as a source of dietary fiber ingredients
2. A by-product of corn processing industry can be utilized to minimize waste and add value to agricultural raw material
3. Dietary fiber from corn silk can be applied in food products to provide certain functional properties