

# CHAPTER 1

## Introduction

### 1.1 Background

Lemon, citrus limon based on internet lemons are though first grown in Assam (a region in Northeast India) . no longer than that lemons entered Europe near southern Italy. And there are the variety of lemons The 'Bonnie Brae' is oblong, smooth, thin-skinned, and seedless, mostly grown in San Diego County, USA. The 'Eureka' grows year-round and abundantly. People use lemon as medicinal, lemon oil used for aromatherapy. Lemon skin is a part of lemon that has benefits as a natural antioxidant because it contains vitamin C, citric acid, essential oils, bioflavonoids, polyphenols, coumarin, flavonoids, and volatile oils in the skin such as limonen ( $\pm 70\%$ ),  $\alpha$ -terpinene,  $\alpha$ -pinen,  $\beta$ -pinen, and coumarin, and polyphenols. (Nizhar, 2012).

Chips are a type of snack in the form of thin slices of tubers, fruits, or vegetables fried in vegetable oil. To produce a savory and crunchy taste, it is usually fried and given a particular spice.

Lemon is our raw material at this project, but our product main raw material is the lemon skin. The lemon skin that we used will be look like a fried skin chips. My product will be look healthier than another skin chips, because lemon skin it self contain a lot of vitamin. As we can see, in Indonesia very rarely make a chips from citrus fruit such as lemon. So my product will be look so unique than another product.

### 1.2 Objective

1. Make a product to reducing the wasted lemon skin.
2. Make a snack from wasted lemon skin.