

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF THE STUDY

Myrmecodia Pendans (ant nest) is an epiphytic plant that is rich in phytochemicals. *Myrmecodia pendans* (genus myrmecophytes), also known to the native Papuans as the ant nest. The ant nest (*Myrmecodia pendans*) is a type of plant attached to other, larger plants. Ants' nest plants are generally found in Kalimantan, Sumatra, Papua New Guinea, the Philippines, Cambodia, Malaysia, Cape York, Solomon Islands and Papua. with a long period of time chemical reactions occur naturally between the compounds. Ant nests do not have roots but are attached to tree trunks. The negative effects of ant nests have not been found but the opposite can increase the body's metabolic function and the smoothness of blood circulation increases so that the body's stamina is also maintained The content of chemical compounds from the flavonoid and tannin class owned by ant nests is known to be able to cure various diseases. Flavonoids function as antibiotics, antivirals for HIV and herpes

In addition, flavonoids are used in treating and preventing several diseases such as asthma, cataracts, diabetes, gout/rheumatism, migraines, hemorrhoids, periodontitis and cancer. Ants Nest is also known to contain antioxidant compounds, vitamins, minerals and formic acid.

The reason behind choosing this product is simply because the product is very good for health however, it is still rarely known by the public, to change people mindset about living a healthy life and also about herbal plants because people used to think that herbal plants must not taste good and the product don't have a good appearance , so the author modify the product , to becomes an attractive product and can be consumed.

1.2 THE OBJECTIVES OF THE STUDY

1. Make herbal plants into delicious food and easy to consume without losing the benefit
2. The development of this product is to make ant nests that are rarely known by people into a product that can be consumed with a good taste, and also to make herbal plants that are usually not very popular with the public, can be an interesting product and of course have a lot of benefits