UNIVERSITI TEKNOLOGI MARA

COMPANY ANALYSIS

HAIRDRESSING STORE

TECHNOLOGY ENTREPRENEURSHIP (ENT600): CASE STUDY

FACULTY & PROGRAMME : **FACUCLTY COMPUTER AND MATHEMATICAL SCIENCES**
BACHELOR OF INFORMATION TECHNOLOGY

SEMESTER : **SEMESTER 6**

PROJECT TITLE : **HEAD LICE TOOL**

STUDENT NAME : **MUHAMAD SYAHIDAN BIN MUKHTAR**

STUDENT ID : **2018263086**

GROUP : **RCS2406B**

LECTURER : **DR NURSYAMILAH BINTI ANNUAR**

TABLE OF CONTENT

ACKNOWLEDGEMENT

EXECUTIVE SUMMARY

Nowadays, head lice are a common problem among preschool and elementary school-aged children (Hooker, 2021). Head lice make someone not comfortable due to the tickling feeling of something moving in the hair. Besides, it can cause itching and sores on the head. Furthermore, girls tend to get head lice more often than boys as claimed by Hooker (2021). It is easy to be infected if someone has close contact with the person that already has head lice. It could be during sports activities at school, lying on the same bed, or wearing infested clothes. Therefore, a lice remover was proposed to help people out there free from head lice.

2.3   Products/Services

The Hairdressing store only has a website and it was designed with a shopping list as a core feature. Its products and services as listed as follows:

1. Provide the widest selection of professional haircare products, tools and equipment.
2. Offer varieties of brands including famous brands.
3. Everyone can buy and own any product or tool at an affordable price.
4. Provide products, tools and equipment for salon care, barbershop, electrical tools, pets grooming and furnishings.

2.4   Technology

Head Lice Sensor Detection

Misdiagnosis of head lice infestation is common. The diagnosis of head lice infestation is best made by finding a live nymph or adult louse on the scalp or hair of a person. Because adult and nymph lice are very small, move quickly, and avoid light, they may be difficult to find. Head lice and nits can be visible with the naked eye, although use of a magnifying lens may be necessary to find crawling lice or to identify a developing nymph inside a viable nit. Nits are often confused with other particles found in hair such as dandruff, hair spray droplets, and dirt particles. Therefore, to prevent misdiagnosis of head lice infestation, a head lice sensor detection will be used in a head lice remover machine.

Smart Head Lice Remover Machine

The design of the head lice remover machine just like a hair steamer machine. A hair steamer is developed to add moisture, restores color vibrancy and strengthens the elasticity of hair, where head lice remover machine will kill all the head lice including nits. If head lice were detected on someone's head, it will automatically kill all the head lice including nits by emitting UV light. According to Arik (2017), the UV light-emitting source is described as capable of facilitating the killing of micro-organisms including spores, virus, fungus, bacteria and lice residing on hair or fur as well as on the appliance itself. Lastly, a lice-