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UNIVERSITI
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NEW PRODUCT DEVELOPMENT (NPD) REPORT

“AQUABOT WATER BOTTLE”

FACULTY : FACULTY OF APPLIED SCIENCES
PROGRAMME PURE PHYSICS
PROGRAMME CODE AS203
COURSE TECHNOLOGY ENTREPRENEURSHIP
COURSE CODE ENT600
SEMESTER : 4
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SUBMISSION DATE:
26 APRIL 2018

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1.0 EXECUTIVE SUMMARY

For this new development product, we had the idea to invent a multifunction water bottle. It looks like the normal water bottle but with the addition of a few compartments and divisions for its own uses respectively. It was designed to be use for showering, cleaning and also drinking. People in this era would prefer something that would ease their everyday life. By inventing this idea of water bottle, these people's need can be fulfilled. This new product would be tested to all ages especially those who love to travels or backpackers. Getting responses from the survey conducted had put more support to the invention of this new idea. After it has been approved legally, it would be invented and promoted to the markets.

2.0 INTRODUCTION

2.1 PROBLEM STATEMENT

Are you tired of shampoo spilling in your travel bags or having difficulties to wash out your dirty hands? Nowadays, a lot of people are facing difficulties when they are traveling or backpacking. They want the tools or items that can bring benefits to them and tools or items that suits to their travel bags. So with this “Aquabot” bottle, they can overcome their problems and save their costs and also times.

2.2 METHODOLOGY

The method that we used to invent this product is by observation. From the observation, we found that this bottle can be modified for the function of 3 in 1 multipurpose function such as shower, stream and mist.

2.3 LIMITATION

The “Aquabot” bottle can only shoot over the range of 5-6 feet and can only accommodate the capacity of 500ml to 1000ml of water. This bottle holds the pressure of different value such as 35psi and this “Aquabot” weigh around 10.4 ounces.

3.0 NEW PRODUCT DEVELOPMENT

3.1 DEFINITION

“Aquabot” bottle is a water bottle with multiple function. It has three spray settings such as shower, stream and mist. We design this magic bottle to have two small compartments which occupied hair shampoo and body shower. We created the design based on the concept of user-friendly. “Aquabot” is great for cleaning off, misting cool, hydrating, showering and having fun. It also perfect for house chores, youth sports, camping, backpacking and many more. This bottle is a high pressure drinking water bottle and it can sprays water over 5 feets to 6 feets. The bottle has a switch between stealth and pulse modes as he function is to control the water and the pressure. It is BPA free and required no batteries, where we need to pump in to built the pressure.

3.2 CLASSIFICATION OF NPD

The idea of this new product is from a multifunction item that was made from plastic with some addition of compartments and few divisions suit with its own uses either for cleaning, showering or even drinking. This new product would ease the journey of the backpackers and people’s everyday lifestyles.