



**STUDY ON THE BENEFIT OF CONVERTIBLE JACKET BACKPACK
(CREATIVE & INNOVATIVE PROJECT)**

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ABSTRACT

It can be a hassle to carry around an umbrella or an extra coat all day just in case good weather turns to rain. This backpack is a multi-purpose backpack that can transform into a waterproof jacket. Our objectives for this product are to reduce wastage of space when travelling and reduce the cost of buying a separate jacket and backpack. This project contains no material previously produced by other party except where due references are made such as Google, newspaper, YouTube, or any other innovation product. The uniqueness of this backpack to compare with other backpack is it can be transform into a jacket but our specialty for this backpack is the material of the bag and jacket are waterproof. This backpack also uses intelligent design to defy pickpockets on your daily commute with enhanced safety features which is hidden zip. Our backpack is good for carrying stuffs for travelling, plenty of additional belongings and easily portable. It also can carry a light laptop and offers more room for other stuff. This model of jacket backpack features a back protection panel, adjustable waist straps, and a separate pouch in which the jacket is stored. Of course, the only advantage that our product offers over simply carrying a backpack and a lightweight jacket, is the ease in which you pull out the jacket. With the creative spirit and trendy design, we believe it can be beneficial to everyone especially to young traveler.

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CHAPTER 1: INTRODUCTION

1.1 Introduction

This chapter discusses about the introduction of the study innovation that relate to the previous study. It is also stated the background of the study and the problem statement. Then, from the problem statement it extract research objectives and build the research questions. This part also includes the scope of the study and the significant of it. In addition, this part focus more on the objectives of the study as it is the reason why this study is conducted. These jacket backpack is a multi-purpose backpack that can transform into a waterproof jacket that can be beneficial to everyone especially for young traveler.

1.2 Problem Statement

It provide the context for the research study and generates which the research aims to answer. There is a several problem statement that need to be answer:

- 1) A traveler need to bring along important stuff such as jacket but the problem is it will consume the space of their backpack.
- 2) The cost of buying a different jacket and backpack to travel can be a problem to traveler.

1.3 Study Objectives

The overall objective for this study is to discover how jacket backpack give a beneficial to traveler especially for young traveler:

- 1) To reduce wastage of space when traveling
- 2) To reduce the cost of buying a separate jacket and backpack

1.4 Study Questions

Based on the problem mentioned above, a general research question guides the innovation project as below:

- 1) Does a jacket consume more space in a backpack when traveling?
- 2) Do buying a jacket and backpack separately will cost the user more?

1.5 Significance of the Study

This research will give benefit to the traveler especially for young traveler to do outdoor activities. Other than that, we want to practice and implement this such of transformation product among students. Besides that we want create awareness among traveler about the benefit of multi-purpose backpack. Academically the students will learn more about the transformation product that can giving an advantage to society.

1.6 Summary

This chapter will explain that EZ Bag is a brand new thing of multi-purpose backpack that can be converted into a jacket. It is suitable for traveler to use this jacket backpack when they doing an outdoor activities. The name of EZ Bag is referring to the function itself which is it is easy to carry and also easily portable. In addition, it is cost effective ways to reduce waste to buy separate jacket and backpack. Moreover, it innovate something useful to the society especially for traveler in doing such outdoor activities. In the moment, society are into a unique product and at the same time will help them to save cost. Plus, this unique product has a huge potential of having high demand in the future for example EZ Bag can collaborate with other backpack brand such as Deuter and Camel Mountain. Lastly, the innovation project also stated some benefits of the study like what to do to improve a creativity among students.