

UNIVERSITI TEKNOLOGI MARA

**INITIATIVES ON RECYCLABLE
MATERIAL AS INTERIOR
MATERIAL IN AN ART CENTRE**

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ABSTRACT

In recent years, design tactics have shifted toward supplying healthy and sustainable surroundings, depending on eco-friendly construction materials and suitable design solutions in interior spaces, resulting in environmentally responsible architecture and interior design. (Alfuraty, 2020) Many studies have shown that, though the concept of sustainability has been developed, many architects, designers, and even users do not adopt sustainable design strategies. Nowadays, in Malaysia, the lack of efficient and proper waste management technologies has caused an increase of construction costs and the waste of resources. An issue of high construction waste is an opportunity for interior designers and architects to learn about using construction waste as internal material in a building. Therefore, this research paper investigates whether Malaysia widely uses recyclable materials in the building's interior. What is the recyclable material that was used? What are the interior materials and finishes that use recyclable materials? and how to increase on the application of recyclable material as interior finishes in an art centre? This research would be focusing on art centres in Malaysia for this purpose. A questionnaire approach has been adapted to achieve the research aims and objectives.

Keywords: Recycling, Artworks, Sustainable, Art Centre, Eco-Art

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

This research would focus on initiatives on recyclable material as interior material in an art centre. This chapter would cover on the background of the study, problem statement, aim of study, research question, research objective, operational definition, limitation and delimitation of study, significance of the study and conclusion.

1.2 Background of Study

Sustainable interior design and eco-friendly interiors are becoming more popular. A new method of interior architectural design has been applied. Sustainable interior design concerns the consumer's quality of life and the environmental impact of the principles utilised. (Aleksandra, 2019) Nowadays, we can also see many architectural and interior buildings using recycled materials in their building structure, facade and interior finishes, such as ceilings, wall and flooring. For example, the usage of an old window pane as facade. The recycled material in this research is mainly construction waste.

Malaysia's construction sector is one of the primary drivers of development. The Malaysian construction sector is essential to increasing income for the country and employment creation. Malaysia's rapid expansion has raised the need for concrete for building reasons, but concrete trash is also rising year after year, and it has been identified as the most created waste from the construction sector. (P.X.Wong, 2019)

A literature review of past research, journals, and articles was carried out. The results show that the waste management knowledge in the Malaysian construction sector is still poor, and there is very little information on the current concrete waste management research in Malaysia. The large garbage volume is steadily worsening based on past research and literature review issues. Also, based on the study, most candidates voted that Malaysia should go with the approach 3R (Reduce, Reuse, and Recycle).