



UNIVERSITI TEKNOLOGI MARA

**EFFECTIVENESS DESIGN OF PUBLIC TOILET FOR
HUMAN COMFORT AND HYGIENE**

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ABSTRACT

Malaysia is one of the countries that is growing rapidly in the economy and construction industry and surely it gives a big impact to the country especially for the nation's image. Nowadays, there are a lot of public toilets under the local authority that do not well care for public people. In reality, a lot of the public toilets are poorly designed and lead the public people don't want to use it and add with the poor condition, dirty, poor maintenance and does not guarantee human comfort for the user. The consideration of the physical outlook of the facilities and followed by the hygiene and human comfort is vital. Because of that, the majority of public toilets in this country are not in use because it looks bad and it is not taken care of. Therefore, this issue addresses the problem to our country because keeping public toilet cleans and adapting an effective design of the building can be considered as part of patriotism instead if not well maintained, then defective as a part of our patriotism. Maintaining the cleanliness and providing a good condition of public toilets by applying an effective design also means upholding the country's dignity. Related to the study, the main criteria of public toilets focusing on tourist places is at the Port Dickson and Batu Kikir. The aim of this research is to improve the current toilet conditions in Malaysia. Besides, the objectives of this research are to investigate the various issues that commonly happened in the public toilet in Malaysia, to minimise a dilapidated public toilet because of improper design and maintenance and to propose a solution to reduce the problem at the public toilet especially about the human comfort and hygiene. The methodology adopted for this research is through literature review, observation and semi structured interview for collecting the data. According to the study the factors that contributed to the public toilet not being used is due to the ineffectiveness design of the public toilet. The main contribution of this research is to analyse the effectiveness design of all unused public toilets in order to bring the quality, functioning and serve to the community.

Keyword: Issue of Public toilet, Effectiveness Public toilet design

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CHAPTER ONE

INTRODUCTION

1.1 BACKGROUND RESEARCH

Toilet is one of the facilities provided for humans. The public toilets must be characterized of sustainability, use of quality building materials and adapted to meet human needs and achieve a good level of hygiene for users. Small public building, with a small-scale facility can be defined as micro- architecture for a street space. (Richard,2005). The design of public toilet today's is very much in keeping with the design and the way it is maintained. This is because the importance of the design itself will have a positive or negative impact to the user. In addition, the design must meet the human comfort and satisfaction of users for all ages or disabilities for all ages, gender and disabilities person.

In addition, the public toilet design should achieve good design to contribute positive aura towards health and also their comfort. Therefore, a effectiveness design for public toilet still not doing well especially about the design that complements or preserves the comfort and cleanliness of the users. There are many public toilets are build that not fulfill the human comfort and good hygiene towards the user. some of the public toilet is no longer used because of its alarming and uncomfortable condition for public use. For the small building, it is good to minimize the use of material and energy, to link transportation and habitation while thus creating a tighter fit between architecture and contemporary product (Richard,2005).

Other aspect that relating towards the human comfort and hygiene, this is not only about it design, it is also relating to this essential component which is a sanitary toilet system and maintenance. this is very important things that need to be focusing because majority the public toilet become worse due to lack of proper maintenance and not proper sanitary system that invited a smelly that affecting a public toilet. Based on the overall aspect, the things that we need to realize is combination of proper design and maintenance is very important in the building. This combination item have a strong relationship towards the building because it can maintain the building naturally.