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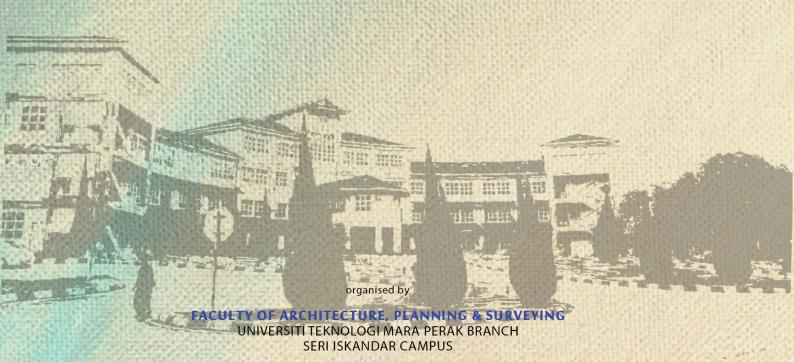


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FLOOR FINISHES AT ABLUTION AREAS IN MASJID SULTAN ISKANDAR AND MASJID AL-BUKHARI IN JOHOR, MALAYSIA

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Abstract

This research is to collect all the data about the flooring materials effect between the coefficients of the friction of consumer's foot act against the floor surface. The purpose of this section is to understand the differences between porcelain tiles and pebble wash tiles which is used in ablution area of Masjid Sultan Iskandar at Bandar Dato' Onn and Masjid Al-Bukhari at Senai. The possibilities in the selection of the materials of ablution area in relation to the consumer's movement must be to avoid slipping. This research also to study the problems of slipping among consumers especially senior citizens and knowing the type of suitable flooring materials for ablution area. A comparison study is the most suitable for this research for finding the accurate in indifference, the disadvantages, the workability and the appropriate design for the floor finishes between the coefficient and friction. The purpose of this research is to identify which type of floor surface that suitable to use at ablution area that can bring a good impact and reduce the risk of falling to the user especially senior citizens through the selection of floor finishes materials and how the difference materials that suitable for ablution area to avoid slipping.

Keywords:

Coefficient of friction; Ablution area; Floor finishes; Hygiene performance and safety

1.0 INTRODUCTION

In September 2015, citizens of Johor were shocked by the news of the Departure of The Fire Department and Rescuer Johor (JBPM), Datuk Ab. Ghani Daud who died after a collapse during the Friday prayers at the Masjid Taman Impian Emas at Skudai. The incident happens when he was slipping while taking wudu' before being assisted by other pilgrims in the mosque. He was confirmed dead after falling while raising takbir during prayer caused the slipping incident (Utusan Online, September 25, 2015). This research is to collect all the data about the flooring materials effect between coefficient of the friction react with consumer's foot act against the floor surface. The possibilities in the selection of the materials of ablution area in relation to the consumer's movement must be to avoid slipping. The finishing materials should consider in terms of price, availability, and durability and should prevention of slipping which is due to the existence of water on the ground and the wet feet condition. In addition, the maintainability needs to consider as well because the selected material should be easy to drain water and easy to clean. Besides that, the resistance to the spread of diseases need to be at the heavy point too because fungi and bacteria can reside on floor material and are nourished by water and it can causing some skin diseases (Mokhtar, 1965).

2.0 LITERATURE REVIEW

In this chapter, it will explain all the information about the importance of floor finishes selection that can avoid the slipping risk among the consumers' especially senior citizens. Firstly, this research will be discussed about ablution area function generally. The purpose of this section is to understand between porcelain tile and pebble wash characteristics at the ablution areas. In addition, all the explanation in this chapter is to give better understanding on suitable selection of floor finishes surface at ablution area.

2.1 Definition of Ablution Area

Ablution area is a very important space to the mosque. For the followers of Islam, ablution is a state that a prerequisite to praying. To be in such a state, a person needs to perform certain actions in certain sequence. This is referred to as the ablution process. The process can be performed at any time and a person may keep himself / herself in this state till the due time(s) of one or more prayers. Therefore, there will always be a portion of the users of the praying area who need to perform ablution before praying (Mokhtar, 1965).

3.0 METHODOLOGY

To complete the objectives and the aim of this research, research methodology is the most important thing that involved in all the chapter in this research. Firstly, the problem statement needs to be detail up in this research to get more information to relate the title in this research. After determine the problem statement, the aim and objective of the research were determined. Next, after completing the aim and objective of this research, the selection of case study was conducted at Masjid Sultan Iskandar and Masjid Al- Bukhari. Then, a personal interview with architect were conducted to obtain their personal opinion about the type of floor finishes that suitable at ablution area. After having personal interview, the observation regarding this research was listed and to obtain the data. A site visit and some photograph to the different ablution area of the two mosques that select were taken. During the site visit, the data was collected from 30 respondents through questionnaires survey and being analyzed. The data from the questionnaires survey will be concluded and was stated. Some relevant opinion and recommendations from the respondents are very important to reach the objectives of this research.

4.0 ANALYSIS AND FINDINGS

This research may bring the appropriate flooring design for ablution area to the consumers. This is very important to make sure the selection of floor finishes brings the good effects and at the same time guarantee the safety of consumer's so that there are no accident happens during taking wudu' at ablution area especially senior citizens. As a conclusion, most of the supporting data is to support the hypothesis which is focused on the materials selection for floor finishes at ablution area. The objectives of this research are achieved successfully as the material selection between ablution area at two mosques has been discovered by the elements of it friction force. Achieve the appropriate floor finishes at ablution area it is a necessity and it have many different consumer's satisfactory aspects and criteria. Hence, exploring and observations on materials especially at ablution area in mosques that satisfy the safety and comfort of the users before choose the suitable flooring for install at ablution area and it should be done to decrease the lack of materials quality. On the other hand, proper maintenance in terms of cleaning process infrequently for disinfecting fungus, bacteria and other to reduce the risk of slipping. Lastly, floor finishes selection for ablution area should be taken wisely to make sure the selection will fulfil the criteria and aspects in term to reduce the accident of slipping.

From the findings, the majority age of respondents was in the age of group among 54 and above with 50% result, it because this research is focus on senior citizen which is to resolve their problems towards reduce the risk of slipping during taking wudu'. This section is about respondent feedbacks of perception on condition of the floor finishes at ablution areas reported in Table 1. This section also contains several aspects which are satisfaction, comfort, condition and material quality.

NO		_					CATEGORY OF
	CONSUMERS SATISFACTION TOWARDS	1	2	3	4	5	RATING SCALE
	FLOOR FINISHES SELECTION FOR ABLUTION AREA	NO. OF RESPONDENT					
	Satisfy about selection floor finishes for ablution area	0	4	7	15	4	4
_	Comfort with floor surface condition when taking wudu	0	4	13	8	5	3
3	Floor surface condition needs to be maintained	0	2	4	8	16	5

Table 1: The result level of consumer's satisfaction towards floor finishes selection for ablution area

5.0 CONCLUSION

Material selection is one of the most important factors to avoid accident of slipping among the consumer's especially senior citizen as well as increasing the consumer's satisfaction and safety. These findings show that both floor finishes are quite suitable to use at ablution area. In terms of materials influences on the rate accident of slipping towards consumer's is a grant to the comfort, safety and decrease the risk of slipping while taking wudu'. It was found that materials selection has a huge effect on the consumers.

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