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THE LEVEL OF OCCUPANTS' AWARENESS TOWARDS FIRE SAFETY SYSTEM IN UiTM'S HOSTEL

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ABSTRACT

The level of occupants' awareness towards fire safety in Universiti Teknologi Mara (UiTM) hostel is very important to achieve an acceptable level. Fire that happened at the hostel can lead to devastating effects if appropriate fire safety system measures are not put in place. The aim of this research is to identify the level of occupants' awareness towards fire safety system in UiTM's hostel. The objectives of this research is to identify the types of fire safety system that used in UiTM's hostel. This research also highlights on the level of occupants' awareness towards fire safety system in UiTM's hostel. The last objective of this research is to determine the factors that influence the level of occupants' awareness towards fire safety system in UiTM's hostel. In order to achieve the objectives of this research and access the respondent's perception on fire safety awareness, a set of questionnaires were randomly distributed to the students who were staying in the UiTM's hostel where three campuses were selected which includes UiTM Shah Alam, UiTM Seri Iskandar and UiTM Machang. The data obtained from the study revealed that majority of them knew and familiar with types of fire safety system used in UiTM's hostel, however, they did not know how to use them practically. The result further showed that, the level of awareness towards fire safety system in the UiTM's hostel revealed most of the respondents were aware on the fire safety system in the UiTM's hostel but some of them did not aware towards fire training which is one of the essential protection toward fire safety system. The factor that influenced the level of occupant's awareness towards fire safety system revealed that they responded that most of them are not sure whether they are aware or not regarding the involving in fire safety training as they are not serious on the precaution of fire safety. To be concluded that, fire safety system is very crucial to people no matter where they are. Hopefully this research would create the idea on why

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF RESEARCH

Salleh and Ahmad, (2009) mentioned that it can be accepted that the fact of fire is one of the dangerous threats to the tenants and the building's contents itself. Other than most tragedies, fire creates a risky danger to life and assets in urban and rural areas (Xin and Huang, 2013). Giebułtowicz et al., (2017) proved that the causes of both fire deaths and injuries are the effect from breathe in a carbon monoxide, soot and irritant gases.

Fire safety system is a consolidating fire aversion, restricting the blowout of fire and smoke, turn off a fire and the probability of making a safe and quick exit (Wang et al., 2015). Buchanan and Abu, (2016) stated that, most of fire protection features such as automatic sprinkler systems can distribute life safety and property protection. Hadjisophocleous, (1999) mentioned that, the purpose to reduce the ignition is to make sure that the heat sources that may occur in a section cannot spread enough heat to cause the fire to combust.

To be concluded that, it is well known that fires are not only a threat to the building's occupants, but also to the property and the school environment (Nadzim & Taib, 2014). Based on what Ronchi & Nilsson, (2013) had said that different types of building has different strategies and system need to be adopted during fire occur. So, the occupants need to be able to understand their way out of the risk. Not only that, Nadzim & Taib, (2014) stated that, adequate fire extinguishers should be provided to the school and the management should inspect and maintain fire protection devices regularly.