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EDUCATION ON THE EMERGENCY RESPONSE SYSTEM AS AN EFFORT TO HANDLE FIRE DISASTERS IN ISLAMIC BOARDING SCHOOLS

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ABSTRACT

Islamic boarding schools are one of the educational institutions that have a risk of danger, because in their activities they always use tools and materials to support the teaching and learning process and energy sources that can cause danger. Energy sources such as electricity, LPG gas and chemicals, if not properly managed, can pose a risk of fire. Fire is the most frequently encountered disaster and can be classified as a natural disaster or a disaster caused by human actions. The danger of fire can occur at any time and at any time, resulting in a lot of material, environmental, financial, equipment and human losses. Based on a survey conducted at the location, the knowledge and skills regarding handling emergency conditions, especially fires, have not been mastered by Islamic boarding school administrators and students. The aim of this community service activity is to overcome the fire disaster at the Assalafi Al-Fithrah Islamic Boarding School in Surabaya. The solution provided is to provide disaster mitigation material to Islamic boarding school administrators and students in the Assalafi Al-Fithrah Islamic Boarding School environment in Surabaya and fire prevention training using a light fire extinguisher. The activity was held on Thursday 6 July 2023 with 27 participants consisting of 25 students and 2 boarding school administrators. The results that have been obtained from this activity are that the participants' knowledge about disaster mitigation in Islamic boarding schools has proven to have increased, the skills of Islamic boarding school administrators and students in extinguishing fires using light fire extinguishers have also been achieved.

Keywords: Fire Disaster, Preparedness, Islamic Boarding School, Students, Emergency Response System

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INTRODUCTION

The implementation of occupational safety education in educational institutions still needs to receive more intensive attention. educational institution is not much different from a company, in an educational institution there are workers, people other than workers, risks of danger, sources of danger, and risks of danger occurring. In educational contrast to institutions, activities in a company are focused on production activities, however, this does not mean that educational institutions do not have risks of danger. One of the dangerous risks that can occur in educational institutions is a fire disaster.

Fire incidents in educational environments such as campuses occurred at the STIE (School of Economics) Perbanas campus in the Kuningan area of Jakarta and the Dean's Building of the Faculty of Engineering, University of Indonesia, Depok, West Java in 2001 (Ayu, 2021). In March 2019, a fire occurred in the Student Room at the Faculty of Public Health, Airlangga University, Surabaya. The cause of the fire was thought to be an electrical short circuit. A fire incident in an Islamic boarding school environment occurred in Malaysia in 2017 which killed 24 students and boarding school administrators. The cause of the fire was an electrical short circuit.

Islamic boarding schools are one of the educational institutions that have a risk of danger, because in their activities they always use tools and materials to support the teaching and learning process and energy sources that can cause danger. Energy sources such as electricity, LPG gas and chemicals, if not properly managed, can pose a risk of fire. Fire is the most frequently encountered disaster and can be classified as a natural disaster or a disaster caused by human actions. The danger of fire can occur at any time and at any time, resulting in a lot of material, environmental, financial, equipment and human losses (Fitriana, 2017). Therefore, community service activities need to be carried out to avoid these losses.

Assalafi Al Fithrah Surabaya Islamic boarding school is an Islamic boarding school located in a densely populated residential area on Jalan Kedinding Lor, Kenjeran. The Islamic boarding school was founded Hadhratusy Syaikh KH. Achmad Asrori Al Ishaqy ra. in 1985 and remains active today. This Islamic boarding school has formal education services starting from RA, MI, Wustha Formal Early Education, Ulya Formal Early Education, Ma'had Aly, and STAI, there is also informal education such as TPQ and Madarasah Diniyah which each year sees additional students.

Standing on approximately 3 hectares of land, this Islamic boarding school provides many facilities, such as a mosque, boys' and girls' dormitory, cooperative, office, school and madrasa buildings, college, multi-purpose field, computer and language laboratories and sufficient parking space. wide.

Based on a survey conducted at the location, the knowledge about dealing with emergency conditions, especially fires, has not been mastered by Islamic boarding school administrators and students.

Therefore, knowledge about handling the danger of fire at the Assalafi Al Fithrah Islamic Boarding School in Surabaya requires attention, because if a fire occurs it can cause quite large losses.

OBJECTIVES

General Purpose

The aim of this community service activity is to overcome the fire disaster at the Assalafi Al-Fithrah Islamic Boarding School in Surabaya. The implementation of this community service has received approval from the chairman of LPPM UNUSA with assignment letter number 631/UNUSA-LPPM/Adm-E/V/2023

Special Purpose

To provide disaster mitigation material to Islamic boarding school administrators and students in the Assalafi Al-Fithrah Islamic Boarding School environment in Surabaya and fire prevention training using a light fire extinguisher.

PLAN OF ACTION

Strategy Plan

In the preparation stage, the activities to be carried out are as follows:

- Carry out a survey and initial coordination with the caretakers of the Assalafi Al Fithrah Islamic Boarding School, Surabaya
- 2. Arrange permits for related parties
- 3. Coordinate with the caretakers of the Assalafi Al Fithrah Islamic Boarding School, Surabaya
- 4. Present a plan of activities that will be carried out during the implementation of community service
- 5. Prepare tools, materials and instruments used in activities

Implementation

In this community service activity there are 2 types of core activities, namely education and preparedness training in facing emergency conditions at the Assalafi Al Fithrah Islamic Boarding School, Surabaya. In detail, each activity is explained as follows:

- 1. Education about emergency preparedness
- 2. Fire prevention training using APAR.

Setting

This community service activity program was held at PP Assalafi Al Fithrah Surabaya.

Target

The target participants are Islamic boarding school administrators and students from the Assalafi Al-Fithrah Islamic Boarding School Surabaya environment. The number of participants attended was 27 participants consisting of 25 students and 2 boarding school administrators.

RESULTS AND DISCUSSION

The aim of carrying out community service activities with the title Education on Emergency Response Systems as an Effort to Handle Fire Disasters in Islamic Boarding Schools is to educate Islamic boarding school administrators students about emergency preparedness when a fire occurs, which is delivered in a learning process that is fun and easy to understand for Islamic boarding school administrators and students. Apart from that, fire prevention training was carried out using fire extinguisher, so that apart from increasing the knowledge understanding of Islamic boarding school administrators and students, they also

trained their ability to be alert to fire disasters.



Figure 1. Emergency Response System
Education at the Assalafi Al-Fithrah Islamic
Boarding School in Surabaya

The results of the implementation of community service activities carried out at the Assalafi Al-Fithrah Islamic Boarding School located at Jalan Kedinding Lor, Kenjeran Surabaya are as follows:

Table 1. Distribution of Participant Characteristics

Resp	ondent	n	%
Chara			
Age	16 years	11	40.75
	17 years	13	48.15
	22 years	1	3.70
	35 years	1	3.70
	38 years	1	3.70
Knowledge	Sufficient	17	62.96
Level			
	Insufficient	10	37.04
Total		27	100.00

Table 1 data shows the distribution of respondents' characteristics community service activities with the title Education Emergency Response Systems as an Effort to Handle Fire Disasters in Islamic Boarding Schools. The number of participants targeted in this activity was 27 people, female, 13 people aged 17 years (48.15%) who is in class XI. Of the participants who 27

respondents, 17 people (62.96%) had a sufficient level of knowledge about fires and procedures for handling them.

Table 2. Distribution of Student's Knowledge at the Assalafi Al-Fithrah Islamic Boarding School in Surabaya regarding Fire Disaster Preparedness based on Pre-Test Assessment

Number of Correct Questions	Pre-Test Assessment	Amount	%
8	53	7	25.93
9	60	7	25.93
10	66	4	14.81
11	73	3	11.11
12	80	6	22.22
To	otal	27	100.00

Table 2 data shows that the majority of participants who answered the pre-test questions obtained a score below 70, namely 18 people (66.67%), while the participants who answered the pre-test questions obtained a score above 70, namely 9 people (33.33%). The pre-test was carried out to identify the level of knowledge of the participants regarding emergency preparedness before prevention education and training was carried out at the Islamic boarding school. The results of the pre-test showed that the knowledge level of the students was still in the quite good category.

Table 3 data shows that 1 person (3.7%) got a perfect score of 100, 11 people (40.75%) got a perfect score of 92, 8 participants got a score of 86 (29.63%), participants who got a score of 80 was 4 people (14.81%), and only 3 participants (11.11%) got a score of less than 80. In general, the results of this post test showed that the level of knowledge of the participants had increased.

Table 3. Distribution of Students'
Knowledge at the Assalafi Al-Fithrah
Islamic Boarding School in Surabaya
regarding Fire Disaster Preparedness
based on Post Test Assessment

Number of Correct Questions	Pre-Test Assessment	Amount	%
11	73	3	11.11
12	80	4	14.81
13	86	8	29.63
14	92	11	40.75
15	100	1	3.70
Total		27	100.00

Knowledge is the main factor and is the key to preparedness. The knowledge you have can usually influence your attitude and concern to be prepared in case of an emergency.

Preparedness is one part of the disaster management process. In the current concept of disaster management, the importance of preparedness is one of the important elements of pro-active disaster risk prevention activities before a disaster occurs. The results of interviews with the participants showed differences in levels of knowledge, this is because the level of knowledge is influenced by two factors, namely internal factors such as level of education, level of reasoning and age, while external factors such as the social environment, social and culture.

CONCLUSION

The community service activity with the title Education on Emergency Response Systems as an Effort to Handle Fire Disasters in Islamic Boarding Schools aims to educate Islamic boarding school administrators and students about emergency preparedness when a fire occurs. Knowledge is the main factor and is

the key to preparedness. The knowledge you have can usually influence your attitude and concern to be prepared in case of an emergency.

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