Jurnal Pengabdian dan Pengembangan Masyarakat Indonesia
Published by
Media Publikasi Cendekia Indonesia
https://www.journalmpci.com/index.php/jppmi/index
ISSN : 2830-2567 (Online - Elektronik)
ISSN 2830-2567

Jurnal Pengabdian dan Pengembangan Masyarakat Indonesia, Vol. 3 No. 2 (2024): 65-71

Enhancing Disaster Nutrition Training in Surabaya, Indonesia: Aligning with Indonesia Ministry of Health's Healthcare Workforce Transformation Program

Luthfi Rusyadi[1], Taufiqurrahman[1], Fahmi Hafid[1]*, Inne Soesanti[1], Dian Shofiya[1], Nur Hatijah[1], Nuning Marina Pengge[1], Nurul Hindaryani[1], Mujayanto[1], Ani Intiyati[1], Riezky Faisal Nugroho[1], Ergia Latifolia[1], Devi Eka Ratnasari[1], Husnul Halimah[1], Endra Tri Kusuma Wardana[1], Anang Prionggo[1], Intan Maulina Alifia Putri[1], Sarina Sariman[2]

[1] Nutrition Department, Poltekkes Kemenkes Surabaya, Indonesia
[2] Faculty of Health and Life Sciences, Management and Science University, Selangor, Malaysia

*Email Korespondensi: hafid.fahmi79@gmail.com

Abstrak
Tujuan pengabdian masyarakat ini adalah melatih kesiapan masyarakat dan civitas akademika Poltekkes Kemenkes Surabaya dalam mitigasi bencana di Indonesia. Metode pelaksanaan kegiatan dilakukan pada tanggal 6 Mei 2024 di Jurusan Gizi Poltekkes Kemenkes Surabaya dengan melibatkan 100 partisipan, termasuk dosen, mahasiswa, dan masyarakat setempat. Pelatihan menggunakan metode interaktif seperti diskusi, role play, dan simulasi bencana untuk meningkatkan pemahaman dan keterlibatan peserta. Hasil kegiatan menunjukkan peningkatan signifikan dalam keterampilan penanganan gizi bencana di wilayah Surabaya. Peserta tidak hanya mendapatkan pengetahuan teoritis tentang gizi bencana, tetapi juga keterampilan praktis yang dapat diterapkan dalam situasi nyata. Rekomendasi dari kegiatan ini mencakup peningkatan penyediaan materi pelatihan yang lebih mendalam, penggunaan teknologi canggih untuk simulasi, dan peningkatan dukungan logistik untuk kelancaran pelaksanaan kegiatan di masa depan. Pengabdian ini berkontribusi nyata dalam meningkatkan kesiapan Poltekkes Kemenkes Surabaya dan memperkuat ketahanan masyarakat terhadap bencana di Indonesia. Untuk rekomendasi kegiatan pengabdian berikutnya, disarankan untuk melakukan pelaksanaan yang lebih komprehensif serta melibatkan peserta secara lebih luas.
Kata kunci: Pelatihan Gizi Bencana; Simulasi Bencana; Kesiapan Masyarakat

Abstract
The aim of this community service is to train the readiness of the community and academic community of Poltekkes Kemenkes Surabaya in facing disasters in Indonesia. The implementation method took place on May 6, 2024, at the Nutrition Department of Poltekkes Kemenkes Surabaya, involving 100 participants, including lecturers, students, and local residents. The training utilized interactive methods such as discussions, role play, and disaster simulations to enhance participants' understanding and engagement. The outcomes showed a significant improvement in disaster nutrition management skills in the Surabaya region. Participants not only gained theoretical knowledge of disaster nutrition but also practical skills applicable in real-life situations. Recommendations from this initiative include enhancing the provision of more in-depth training materials, using advanced technology for simulations, and improving logistical support for smoother implementation of future activities. This community service significantly contributes to enhancing the readiness of Poltekkes Kemenkes Surabaya and strengthening community resilience to disasters in Indonesia. For future community service activities, it is recommended to conduct more comprehensive implementations and involve a wider range of participants.
Keywords: Disaster Nutrition Training; Disaster Simulations; Community Preparedness;

Pesan Utama:
Improvement of Disaster Nutrition Handling Skills

Access this article online
Quick Response Code

Received: 4 July 2024
Accepted: 14 July 2024

DOI: https://doi.org/10.56303/jppmi.v3i2.257

1. Introduction

Disasters occur in Indonesia, both natural and non-natural disasters (Bachri et al., 2024; Danar, 2024; Herbanu et al., 2024; Lumban-Gaol et al., 2024; Niman et al., 2024; Oktora, 2024; Opabola & Galasso, 2024; Setiawan & Mahendra, 2024; Setyonugroho & Maki, 2024). Disaster nutrition is an interesting topic of current issues to develop (Aslam, 2024; Fatmah, 2024; Lassa, 2024; Le, 2024; Marzban, 2024; Yazawa, 2024). Given the importance of disaster mitigation, preventive measures such as disaster training are a necessity. Disaster training has been widely conducted (Alshowair et al., 2024; Amini et al., 2024; Carlson, 2024; Lane et al., 2024; Lee et al., 2024; Osebo et al., 2024; Owens, 2024; Peng et al., 2024; Sahadev et al., 2024; Santos et al., 2024; Simon & Al-Ghailani, 2024; Tang et al., 2024).

The author's previous publications related to disaster nutrition such as: food security and nutrition of disaster survivors after 4 earthquakes and tsunamis, The right type of food assistance for flash floods, Food intake and nutritional status in pregnant women in temporary housing, and Specific Interventions to Prevent Stunting in Children Under 2 Years after the Natural Disaster, Positive deviance approach-nutritional center in improving nutritional behavior towards toddler survivors of natural disaster at temporary shelters (Adhyanti et al., 2022; Hafid, Nasrul, Aminudin, et al., 2022a, 2022b; Hafid, Nasrul, et al., 2021; Hafid, Nasrul, Gusman, et al., 2022; Hafid, Taqwin, et al., 2021; Irianto et al., 2020; Kusumawati et al., 2022; Mustafa et al., 2022). The purpose of this community service is to train the readiness of the community and the academic community of the Surabaya Ministry of Health Polytechnic in disaster mitigation in Indonesia.

2. Method

The activity was held on May 6, 2024 at the Nutrition Department of the Ministry of Health Surabaya, Kertajaya Village, Gubeng District, Surabaya City. Involving 100 participants consisting of: lecturers, students, the community of Kertajaya village. Starting with preparation, pre-implementation, implementation, and evaluation activities. This training uses interactive methods such as role play and disaster simulation that increase participants' understanding and engagement. This method allows participants to actively practice the necessary skills in real-life situations.

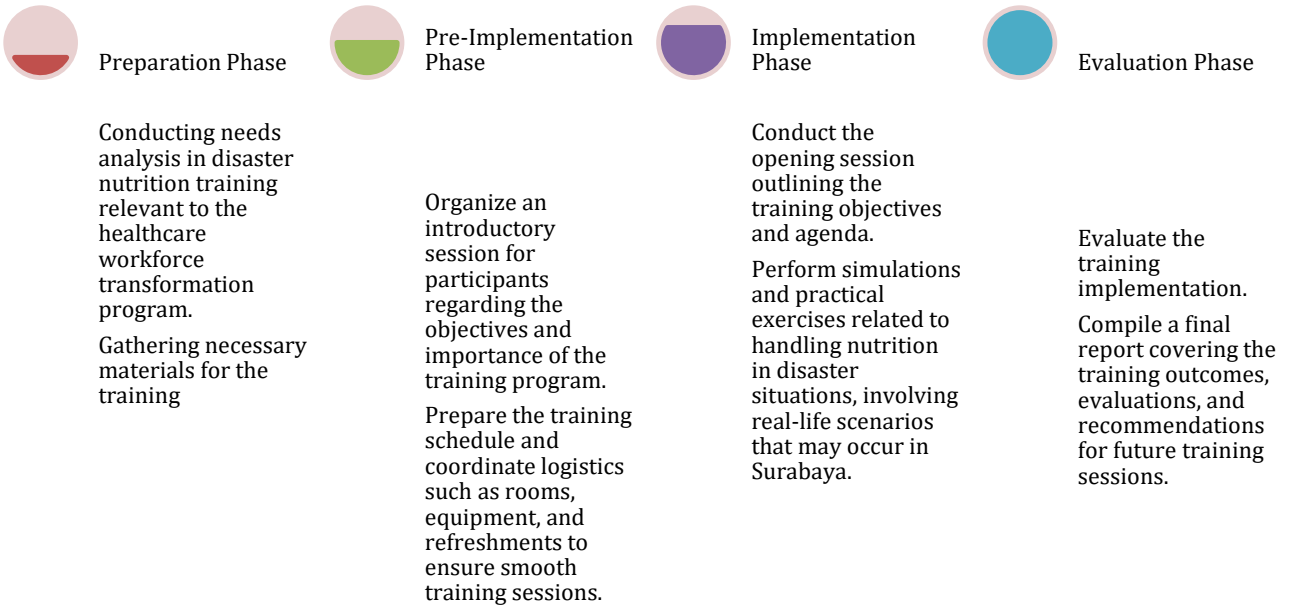

Figure 1 Flowchart of the Implementation of the Community Service Activities for Enhancing Disaster Nutrition Training in Surabaya, Indonesia: Aligning with Indonesia Ministry of Health's Healthcare Workforce Transformation Program

3. Results and Discussion

Mitigation efforts before disasters are one of the steps that must be taken to reduce the impact (Andriani et al., 2023). Community Service This training aims to train the readiness of the community and the academic community of the Surabaya Ministry of Health Polytechnic in disaster mitigation in Indonesia. Indonesia is a country that often faces various natural and non-natural disasters, these disasters often cause major damage, including the impact on the availability of food and nutrition of the affected communities. The issue of disaster nutrition is becoming increasingly important because good and sufficient nutrition is crucial to maintain the health and physical strength of individuals in facing and recovering from the impact of disasters.

This study draws on the latest literature showing that training and capacity building in the field of disaster nutrition can significantly affect the ability of communities and health professionals to provide an appropriate response when disasters occur (Bachri et al., 2024). With various publications highlighting the importance of nutrition in disaster mitigation and the role of nutrition education in providing sustainable solutions (Aslam, 2024). This community service seeks to make a practical contribution in improving the readiness of the Surabaya Ministry of Health Polytechnic in facing this challenge.

This community service is based on an initial needs analysis that involves the identification of competency gaps in the field of disaster nutrition that are relevant to the health worker transformation program of the Indonesian Ministry of Health. The initial step includes the collection of teaching materials, teaching aids, and other resources needed for the implementation of training. The next stage is pre-implementation which includes the introduction of the program to students as participants, scheduling activities, and logistical arrangements including simulation rooms and equipment.

The main training was carried out by holding an opening session that affirmed the purpose of the training and provided an overview of the agenda of the activities to be carried out. This session is also a momentum to build awareness and motivation of participants in participating in the activities that will be carried out (Aghababaei & Koliou, 2023). One of the important aspects of this training is the implementation of simulations and practical exercises related to nutrition management in disaster situations. By presenting real scenarios that may occur in Surabaya, participants are invited to think critically and respond quickly according to the procedures learned during the training. The success of this simulation is judged not only by how well the participants carry out their tasks, but also by their ability to make the right decisions under pressure and resource limitations.

Figure 2. Service Lecturers and Students of the Department of Nutrition of the Ministry of Health of Surabaya and the Academic Community of the Surabaya Ministry of Health Polytechnic

After the training is completed, an evaluation is carried out to measure the extent to which the training objectives are achieved and their impact on participants (Mahdi et al., 2023; Pek et al., 2023; Zhao, 2023). Direct feedback from participants is important to improve the learning process during the training session. This community service makes a real contribution to improving the readiness of students and the academic community of the Surabaya Ministry of Health Polytechnic in facing the challenges of handling disaster nutrition in Indonesia. Through hands-on experience in the training carried out, participants not only gain theoretical knowledge about disaster nutrition, but also practical skills that can be applied in real contexts. Recommendations for the development of this program include increasing the provision of more in-depth training materials, the use of

advanced technology for disaster simulation, and increasing logistical support to support the smooth implementation of future activities. Through community service carried out at the Department of Nutrition of the Ministry of Health of Surabaya, it can provide a comprehensive overview of the impact and relevance of activities in the context of disaster management in Indonesia.

The documentation of this disaster training activity covers various aspects, ranging from participants who take part in training activities, as well as activities during training. This documentation not only aims to record the process and participation, but also as an evaluation and reference material for the development of future training programs. The results of the documentation will be compiled in the final report and can be used for publication or presentation to relevant parties to show the effectiveness and impact of the training that has been carried out.

Figure 3. Service Lecturers and Students of the Department of Nutrition of the Ministry of Health of Surabaya and the Academic Community of the Surabaya Ministry of Health Polytechnic

Figure 4. The community of Kertajaya village and Students of the Department of Nutrition of the Ministry of Health of Surabaya and the Academic Community of the Surabaya Ministry of Health Polytechnic

Figure 5. Disaster nutrition training, students of the Nutrition Department of the Ministry of Health Surabaya Polytechnic and the community in Kertajaya Village, Gubeng District, Surabaya City.

4. Conclusion

Enhancing Disaster Nutrition Training in Surabaya, Indonesia: Aligning with Indonesia Ministry of Health's Healthcare Workforce Transformation Program, this community service study has succeeded in improving skills in handling disaster nutrition in Surabaya, Indonesia, through the active participation of students majoring in Nutrition at the Ministry of Health Surabaya. This training has proven the effectiveness of interactive methods such as discussions, role plays, and disaster simulations in strengthening participants' understanding of critical concepts in disaster nutrition. This community service not only provides practical benefits for participants in improving their preparedness for disasters, but also contributes to the literature on disaster nutrition education and the implementation of public health programs at the local level. Thus, this program not only strengthens the capacity in handling disaster nutrition at the Surabaya Ministry of Health Polytechnic, but also makes a positive contribution to building community resilience to disasters in Indonesia as a whole. For recommendations for the next service activities, it is recommended to carry out a more comprehensive implementation and involve participants more widely.

Funding: This community service is funded by the Surabaya Ministry of Health Polytechnic

Acknowledgments: Thank you to the Director, Lecturer in charge of the Nutrition Education and Training course, Person in charge of the Disaster Emergency Nutrition course, Students of the Ministry of Health Surabaya Polytechnic and the community participating in the Disaster Nutrition Training.

Conflict of interest: The authors state there is no conflict of interest.

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