



REPUBLIC OF INDONESIA DEFENSE UNIVERSITY

**THE INFLUENCE OF DISASTER EDUCATION AND
BUILDING SAFETY POLICY TOWARD FIRE DISASTER
PREPAREDNESS IN LAGOS STATE, NIGERIA**

THESIS



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STATEMENT OF ORIGINALITY

I hereby declare that no part of this thesis has ever been submitted for a degree at any level at a tertiary institution; and to the best of my knowledge there are no paragraphs, subchapters, or chapters of works that have ever been written or published; however, concepts and theories were adopted from some published works in the list of references.

If in the future it is proven that there is plagiarism in this thesis above the stated 20% tolerance, I am willing to accept sanctions per the provisions of the applicable laws/regulations.

Jakarta, 5 February 2023



Remir Joseph Eklou

FOREWORD

First, the author would like to appreciate the God Almighty for the grace of life and knowledge. With the grace and mercy of God, the author was able to complete this thesis with the topic "The Influence of Disaster Education and Building Safety Policy toward Fire Disaster Preparedness in Lagos State, Nigeria". This thesis was submitted in partial fulfilment of the requirements for the award of the Master of Science degree at the Republic of Indonesia Defense University, Jakarta, Indonesia.

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The author realizes that the thesis still has room for improvement. Therefore, critics and suggestions will be very much appreciated. If any, please forward questions, critics and suggestions to joseph_richie@student.uns.ac.id. The author hopes that the thesis is beneficial to the readers.

Jakarta, 5 February 2023

Remir Joseph Eklou

ABSTRACT

THE INFLUENCE OF DISASTER EDUCATION AND BUILDING SAFETY POLICY TOWARD FIRE DISASTER PREPAREDNESS IN LAGOS STATE, NIGERIA

REMIR JOSEPH EKLOU

Fire disaster is a man-made disaster affecting communities in Lagos State causing tragic death and colossal loss of valuable properties. In 2020, the city government reported an economic loss of USD78.13 million as a result of fire disasters. Generally, the state's residents are not well equipped with the knowledge and skills needed to manage fire risks. Also, there is low compliance with fire safety regulations in residential buildings. These dire situations show that households are ill-prepared to manage fire risks. This study investigated the influence of disaster education and building safety policy on fire disaster preparedness in Lagos State, Nigeria. The study was conducted quantitatively with a cross-sectional survey research design. Questionnaires were administered directly to respondents that consisted of 152 heads of households residing in 147 buildings situated across 3 local government areas of Lagos State. A proportionate random sampling technique was employed in determining the number of samples collected from each local government. Statistical approaches were employed in analysing the data collected with the aid of Microsoft Excel and SPSS software. Results from this study show that: (1) Disaster education significantly influences fire disaster preparedness in Lagos State ($R^2 = 0.549$), showing that disaster education can predict 54.9% of the variance in fire disaster preparedness; (2) Building safety policy has a significant influence on fire disaster preparedness in Lagos State ($R^2 = 0.339$), showing that building safety policy can predict 33.9% of the variance in fire disaster preparedness; (3) Disaster education and building safety policy have a significant combined influence on fire disaster Preparedness ($R^2 = 0.550$), showing that disaster education and building safety policy can predict 55% of the variance in fire disaster preparedness. The findings in this study can help Lagos households become more prepared when dealing with fire hazards which will in time collectively enhance community resilience and national security.

Keywords: disaster education, building safety policy, fire, disaster preparedness

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