ADAPTABILITY STRATEGIES AND PERFORMANCE OF BUILDINGS IN THE DESIGN OF ARUOGBA ENTERTAINMENT CENTRE, BENIN-CITY

AKERELE FIYINFOLUWA STACY (15CA03324)

SEPTEMBER, 2021

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BY

AKERELE FIYINFOLUWA STACY (15CA03324) B.Sc Architecture, Covenant University, Ota

A DISSERTATION SUBMITTED TO THE SCHOOL OF POSTGRADUATE STUDIES IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF MASTER OF SCIENCE (M.Sc) DEGREE IN ARCHITECTURE IN THE DEPARTMENT OF ARCHITECTURE, COLLEGE OF SCIENCE AND TECHNOLOGY, COVENANT UNIVERSITY.

SEPTEMBER, 2021.

i

ACCEPTANCE

This is to attest that this thesis is accepted in partial fulfilment of the requirements for the award of the degree of Master of Science in Architecture in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Ogun State, Nigeria.

Mr. John A. Philip

(Secretary, School of Postgraduate Studies)

Signature and Date

Prof. Akan B. Williams

(Dean, School of Postgraduate Studies)

Signature and Date

DECLARATION

I, AKERELE FIVINFOLUWA STACY (15CA03324) assert that the thesis research project work is entirely based on my own research under the supervision of DR. A. A. OLUWATAYO of the Department of Architecture, Covenant University, Ota, Ogun State. I certify that the thesis has not been submitted elsewhere, in whole or in part, for the purpose of receiving a degree. This thesis acknowledges all sources of data and scholarly information used.

AKERELE, FIYINFOLUWA STACY

.....

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CERTIFICATION

We certify that this thesis titled "Adaptability strategies and performance of buildings in the design of Aruogba entertainment centre, Benin City." is based on original research carried out by Akerele Fiyinfoluwa Stacy (15CA03324), in the Department of Architecture, College of Science and Technology, Ota, Ogun state, Nigeria, under the supervision of Dr. A. A. Oluwatayo and that it has not been submitted for the award of any degree in this or any other University.

Dr. Adedapo A. Oluwatayo	
(Supervisor)	Signature and Date
Prof. Akunnaya P. Opoko	
(Head of Department)	Signature and Date

Prof. Babatunde E. Jaiyeoba

(External Examiner)

.....

Signature and Date

Prof. Akan B. Williams

(Dean, School of Postgraduate Studies)

.....

Signature and Date

DEDICATION

First and foremost, the research effort is dedicated to God Almighty for His never-ending mercy, love, grace, and Mighty hand, which has been visible throughout the research process. His wisdom and counsel have gotten me through it all. All Glory, Honour, and Adoration belong to Him alone.

Secondly, I would like to dedicate this project to my mother, Mrs Magdalene Osojiahon Odigie, my god-father, General Alaya Babatunde Ibrahim and my wonderful siblings, Tosin, Mojoyin, Semilore and Andrea for their prayers, words of encouragement and support.

ACKNOWLEDGEMENTS

I will forever be grateful to God Almighty for making this work a possibility and for seeing me through this period. His mercies endure forever. Hallelujah!

I want to express my appreciation to the lord's servant over this commission, Dr. David O. Oyedepo, for creating the covenant university platform, for his foresight and for constantly making out time to challenge our potentials. I pray that God will continue to strengthen and grant him more grace. AMEN!

My appreciation goes to the Vice Chancellor of Covenant University, Professor Abiodun H. Adebayo, the Registrar Dr. Oluwasegun P. Omidiora, the Dean, School of Postgraduate Studies, Professor Akan B. Williams, Sub-Dean School of Postgraduate Studies, Dr. Emmanuel O. Amooand, for their commitment towards the successful completion of my Master's Degree programme. I am most grateful.

I express my sincere gratitude to my mentor and supervisor, Dr. A. A. Oluwatayo for her patience, guidance, dedication and commitment towards the success of this work. You believed in me when I could not see it. To my Head of Department of Architecture Prof. Akunnaya P. Opoko, I thank you for the motherly role, academic mentorship and support, all through this program. Your time, words of encouragement are most appreciated. Thank you very much Ma.

Equally, I wish to appreciate all the lecturers in the Department of Architecture who have impacted knowledge in me throughout my time in Covenant University, I sincerely appreciate you all and would be forever grateful and honored.

Many thanks to my loving mother Mrs Magdalene Osojiahon Odigie, for her spiritual, emotional and financial support constantly in my life. You put the happiness of your children first and have shown me what it means to have a mother that cares. Your unending love, tireless support, and prayers have kept me going throughout my life and I would forever be grateful to God for making me your child. I can only pray that God keeps you and blesses me enough to payback all the care, love and support.

Special appreciation to my god-father, General Alaya Babatunde Ibrahim. You have been a father, a friend and so much more to me, I cannot thank you enough for all that you are to me. God bless you daddy.

To Deacon and Deaconess Kennedy Pela, the parents I never saw coming, God bless you immensely and bless you abundantly, the love I have for you is out of this world. I am super grateful to my siblings, Andrea, Semilore, Mojoyin and Tosin for always checking on me, God bless you all, you are irreplaceable in my life. To my sisters from another mother, Yoma Pela and Teme Pela, thank you so much for your love, support, you guys are the best sisters anyone could ask for. I am also extremely grateful for the help from Dr. Ojo Olumide, your endless help truly made my work easy, God bless you. I would also like to appreciate specific individuals who provided support in various ways; Obooghene, Joan and Bolanle, thank you for helping me in one way or another in the completion of this research.

Finally, to the people whose names have not been mentioned and have added value to enriching this research, God bless you and I really appreciate your contribution. Thank you all, I love you.

Akerele Fiyinfoluwa Stacy.

akerelestacy2@gmail.com

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ABSTRACT

Studies have shown that there is a need to adapt buildings over their lifespan to environmental, economic and social changes. Anecdotal evidence suggests that entertainment centres in Nigeria often cease to meet their performance criteria over time as entertainment needs of users change. The purpose of this study is to identify space adaptability strategies that influence performance of selected entertainment centres in Nigeria and propose a design for Benin-City, Nigeria. A mixed research method was employed in the course of the study which used both qualitative and quantitative research approaches to achieve the aim of the study. Four entertainment centres were selected for this study. Respondents were users of the buildings. A total of 86 copies of questionnaire were retrieved from the users of these selected entertainment centres while case studies was carried on of these centres. The findings from the study suggested that only 7 of the 37 identified adaptability strategies had a significant effect on the performance of these entertainment centres. The proposed design therefore implements the adaptability strategies identified to improve building performance.

Keywords: Adaptability strategies; Building performance; Entertainment centre.