**CERTIFICATION**

This is to certify that this project was carried out by ONALEYE Temiloluwa Josiah (CVE/2015/057) under my supervision, in partial fulfillment of the requirements for the award of a Bachelor of Science (B.Sc.) degree in Civil Engineering, Obafemi Awolowo University, Ile-Ife, Osun State.

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Dr. A.B. Fajobi Dr. A.A. Akindahunsi

Project Supervisor Head of Department

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**Date Date**

**CHAPTER THREE**

**MATERIALS AND METHOD**

**3.1 Materials**

The main materials that were used in carrying out this research include;

1. lateritic soil samples;
2. periwinkle shell powder;
3. sawdust ash; and
4. water.

**3.2 Sources of Materials**

**3.2.1 Lateritic soil samples**

The twelve lateritic soil samples that were used were taken from thethree known geological formations in Ile-Ife. The three geological formations are granite gneiss, mica schist and banded gneiss.

The lateritic soil samples were collected from the following coordinates:

**Mica schist**

N 7°29'53.0268" E 4°31'11.5248"

N 7°29'48.8652" E 4°31'16.1796"

N 7°30'02.07" E 4°31'26.256"

**GEOTECHNICAL PROPERTIES OF PERIWINKLE SHELLS POWDER AND SAW DUST ASH IN STABILIZATION OF LATERITIC SOIL IN ILE-IFE**

**TEMILOLUWA JOSIAH ONALEYE**

**(CVE/2015/057)**

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF A BACHELOR OF SCIENCE (B.SC.) DEGREE IN CIVIL ENGINEERING, OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, NIGERIA.**

**DECEMBER 2021**