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.

Dr. A.B. Fajobi

Project Supervisor

Dr. A.A. Akindahunsi

Head of Department

Date

Date

CHAPTER THREE

MATERIALS AND METHOD

3.1 Materials

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

a) lateritic soil samples;

b) periwinkle shell powder;

c) sawdust ash; and

d) water.

3.2 Sources of Materials

3.2.1 Lateritic soil samples

The twelve lateritic soil samples that were used were taken from the three 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.

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