

## **Impact of Architectural Education on Energy Sustainability in Selected Schools of Architecture in Lagos Megacity**

Bamidele J. ADEWUMI<sup>1</sup>, Akintunde O. ONAMADE<sup>2</sup>, Opeyemi A. ASAJU<sup>3</sup>, Michael  
B.O. ADEGBILE<sup>4</sup>

<sup>1,2,3,4</sup>Department of Architecture, College of Environmental Sciences and  
Management, Caleb University, Imota, Lagos State, Nigeria.

Eni.itan2006@gmail.com, Onamadeakintunde@gmail.com,

aj.o.pe.oa@gmail.com,

[mboadebile@yahoo.com](mailto:mboadebile@yahoo.com)

### **Abstract**

The gap between learning and the practical aspect of energy sustainability is getting narrower when viewed in the overall content of the sustainable development goals (SDG's) agenda; therefore, this study is needed at the this time. This study aims to investigate the impact of architectural education on energy sustainability in selected architectural schools in the Lagos Megacity. It explores the impact of architectural education in these schools of Architecture and how it has influenced the design and construction of energy-efficient buildings and, in turn, contributed to energy sustainability. This study adopted quantitative approach in data collection. An online survey was conducted among students and faculty members of selected architectural schools in the Lagos Megacity. The data was analyzed using statistical package for social sciences (SPSS). The findings contribute to the knowledge of the role of architectural education in promoting energy sustainability in developing countries in the spirit of the SDG's agenda. This research provides recommendations for improving the energy sustainability of buildings in the Lagos Megacity through architectural education. The significance of this study lies in its potential to inform policies and practices in the architectural education sector and contribute to efforts aimed at promoting sustainable building practices in the Lagos Megacity. The study concluded that architectural education had influence on building design and construction in the school of architecture especially in Lagos Mega City. Also, that government policies had a far reaching influence on Nigeria Institute of Architects.

**KEYWORDS:** Architectural Education, Energy Sustainability, Lagos Megacity,

**Words Counts: 233**