**Title of Article:** Performance Evaluation of Residential Buildings in Public Housing Estates in Ogun State, Nigeria

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**Abstract:** This study assessed the performance of residential buildings in public housing estates in urban areas of Ogun State Southwest Nigeria. It was based on the notion that users' satisfaction with dwelling units is a measure of the performance of residential buildings in meeting their needs and expectations. A cross-sectional survey of 452 household heads in nine public housing estates was conducted in the study area. Data were obtained using structured questionnaire and observation schedule; and were subjected to descriptive statistics and factor analysis. A mean satisfaction score of 3.21 was observed; indicating that the respondents were generally satisfied with the performance of the different components of the buildings. Satisfaction levels were generally higher with privacy and sizes of living and sleeping areas than the availability of water and electricity in the buildings. The type, location and aesthetic appearance as well as size of main activity areas were the most predominant factors that determined satisfaction and indeed the performance of the buildings in meeting users’ needs and expectations. The paper highlights critical areas where attention is needed in order to improve the performance of residential buildings and users’ satisfaction with public housing projects in Nigeria.