

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF ARCHITECTURE
FIRST SEMESTER EXAMINATION FOR 2018/2019 SESSION

COURSE TITLE: RESEARCH METHOD

COURSE CODE: EVT 711

CREDIT UNIT: 2

TIME ALLOWED: 2 HRS

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HEAD OF DEPARTMENT: DR P. AYUBA

INSTRUCTIONS: Answer questions one and any other two options. Be precise with your answers.

Article A

The social dimension to sustainable housing seems to be de-emphasised in sustainable development initiatives. This development has made stakeholders to perceive best practices to exclude indigenous spatial demands. However, the persistence of local features attained through spatial modifications made on existing urban public housing designs raises the question on how to achieve urban sustainability. Yet there is a growing demand by locals of achieving housing consumption that is culture responsive. In recognition of this limitation, this study attempts to address the subject via housing transformation phenomenon using the emic and etic concept of cross cultural approach. It sets to inspire discourse on the commonly accepted interphase as the alternative that provides synthesised solution to the encompassing weaknesses and strengths of the etic and emic approaches altogether. Using the concept of emic and etic approach with two illustrations the study observed initial and transformed housing units in selected public housings across northern Nigeria for study. The outcome suggests the need for standardization of formalised converging attributes which is reflected in the transformed product combining contemporary design standards that blend with local community ideals.

The concept etic and emic has been considered to create an interphase that communicates the engagement of values and standards. In a psychology research work Helfrich (1999) referred to this interphase as "triarchic resonance" where as in a housing research the intersection was referred to as "recognition space" (Mantaziaris and Martin D, 2000). Culture responsive indigenous housing is considered to operate a mechanism within the recognition space, that considers the values, lifestyle of the inhabitants while adopting modern standards (Habibis *et al.*, 2013). In spite of efforts made in public housing provision informal sector thrives in housing supply in developing countries. As a result the desire for public housing transformation has grown out of the need to relate spaces with cultural tendencies in tune with indigenous demands.

The principle of emic and etic concept in cross cultural housing research was used to examine the cultural spatial traits, public housing transformation attributes and urban housing standards. Utilizing culture as unit of analysis (Berry *et al.*, 1992) urban space standards and indigenous space uses correlate to create an intersection referred to as convergences. *Etically*, the study cross culturally observed the distinction between universal standards in the initial design layouts comparable across cultures and *Emically*, culture as a factor bonds the integral part of human behaviour thus examined as it reflects the indigenous requirements in the transformed layouts. The research proceeded to observe 12 public housings in northern Nigeria were 42 transformed housing units were randomly selected for observation. Hence each house was observed based on the following relative to the principles considered; initial and transformed layout structure, adherence to building standards, convergences in transformed layout and family structure of inhabitants.

Q1 Read Article A provided above carefully and answer the following questions.

- i. Provide a title for the article.
- ii. Describe the conceptual approaches adopted by the researcher.
- iii. Describe the sampling procedure adopted in the study.
- iv. State the research instrument used for data collection.
- v. Outline the variables considered in the study.

Q2 a. Enumerate and discuss components that constitute research process framework.

b. Distinguish between quantitative, qualitative and mixed mode research methods.

Q3 a. Enumerate any three (3) data collection methods and state the instruments applied.

b. Write short notes on the following items

- i. Data organisation
- ii. Data coding
- iii. Data processing
- iv. Research Method
- v. Research Design

Q4 a. Describe any five basic features each of citation and referencing using the latest edition of APA style.

b. Write briefly explain the following sampling procedures and compoments.

- i. Random sampling procedure
- ii. Systematic sampling procedure
- iii. Stratified sampling procedure
- iv. Sample size
- v. Sample method