Faculty of Humanities and Social Sciences

Department of Psychology

Level: 3rd year LMD organization and Work Psychology

Instructor: Ms. Saci Meriem

Module: English Language

Lesson n°8: Research Methodology and Design

Introduction I.

The terms research design and research methodology are often used interchangeably, leading to

confusion, especially among emerging researchers. Therefore, it is important to clarify their meanings

to ensure proper usage.

II. What is Research?

Research is a planned and systematic activity aimed at discovering new facts and information about a

particular phenomenon. The research process involves identifying a specific problem or area of

interest, translating that into a research question, gathering data, analyzing the data, and then reporting

the findings.

III. Research Design

According to Kerlinger (1957), research design refers to the blueprint or plan for a study, outlining

how the study will be conducted. The goal of a sound research design is to provide credible and

reliable results.

IV. **Research Methodology**

Research methodology refers to the principles, procedures, and strategies used in a particular

approach to inquiry (Schwarzer, 2007). It encompasses the theoretical framework that guides

the methods chosen by the researcher.

V. The Research Process

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The research process involves several crucial steps that must be considered and reviewed before

initiating a study. These include understanding the orientation of the researcher, selecting an

appropriate research approach, choosing suitable research strategies, establishing timelines, and

determining the data collection techniques to be used.

VI. Research Approaches

1. Quantitative Approach:

The primary aim of the quantitative approach is to transform variables into measurable data that can be

analyzed statistically. This approach is valuable for exploring relationships between different variables

and provides results that are often seen as reliable and objective.

2. Qualitative Approach:

While quantitative methods are widely recognized for their reliability, qualitative approaches are

essential for understanding deeper insights. According to Novikov and Naulzov (2013), there is a

belief that both qualitative and quantitative approaches complement each other, as qualitative data

often provide context and depth that numbers alone cannot capture.

3. Mixed-Method Approach:

The mixed-method approach involves integrating both quantitative and qualitative data within a single

study. This approach is useful when quantitative data alone are insufficient and need to be

supplemented with qualitative insights to gain a fuller understanding of the research problem.

VII. Triangulation:

Triangulation is the use of two or more data collection methods within the same study. This strategy is

often employed to enhance the validity and credibility of research findings by ensuring that the results

are consistent across different methods, thereby minimizing biases.

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