



KONTRUKSI HIPOTESIS

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The definition of a hypothesis

The second important consideration in the formulation of a research problem in quantitative research is the construction of a **hypothesis**.

Black and Champion define a hypothesis as 'a tentative statement about something, the validity of which is usually unknown' (1976: 126).



From the above definitions it is apparent that a hypothesis has certain characteristics:

1. It is a tentative proposition.
2. Its validity is unknown.
3. In most cases, it specifies a relationship between two or more variables



The functions of a hypothesis

Specifically, a hypothesis serves the following functions:

- The formulation of a hypothesis provides a study with focus. It tells you what specific aspects of a research problem to investigate.
- A hypothesis tells you what data to collect and what not to collect, thereby providing focus to the study.
- As it provides a focus, the construction of a hypothesis enhances objectivity in a study.
- A hypothesis may enable you to add to the formulation of theory. It enables you to conclude specifically what is true or what is false.



The testing of a hypothesis

To test a hypothesis you need to go through a process that comprises three phases:

- (1) constructing a hypothesis;
- (2) gathering appropriate evidence; and
- (3) analysing evidence to draw conclusions as to its validity.



When concluding about a hypothesis, conventionally, you specifically make a statement about the correctness or otherwise of a hypothesis in the form of 'the hypothesis is true' or 'the hypothesis is false'



- **A hypothesis should be capable of verification.** Methods and techniques must be available for data collection and analysis.
- **A hypothesis should be related to the existing body of knowledge.** It is important that your hypothesis emerges from the existing body of knowledge, and that it adds to it, as this is an important function of research.
- **A hypothesis should be operationalisable.** This means that it can be expressed in terms that can be measured.



THANK YOU!

Do You Have Any Questions?

