

Guidelines For Proposal Writing



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QURAN RIDDLE #1



I am mentioned in the Quran.



I am a pharmacist.



I am also an architect.



I am a resident of the mountains.



I am an insect and inspired.



Who am I?

OBJECTIVES



1

Define
Research
proposal



2

Format of
proposal .



3

Steps of
writing a
proposal .

Research proposal

- Research proposal is brief outline/summary of what researcher is going to conduct.
- It is a brief out line (about 6 A-4 size pages or 3000 words is the maximum limit) of your future work.

Format

Title

Introduction

Objectives

Operational definition

Hypothesis

Material and methods

Sample selection

Data collection procedure

Data analysis procedure

References

Steps in writing the Research proposal

1. TITLE:

- Should reflect the objectives of the study.
- Written / revised after the whole proposal has been written so that it is a true representative of the study



It must be written in capital letters and font size should be kept 14 aligned in the page center. Ideal title should not exceed 50 words

The impact of the COVID-19 pandemic on the mental health of healthcare professionals

2. INTRODUCTION: Has three parts as following;



Identification and Statement of the problem.



Research Strategy undertaken by researchers so far.



Rationale of your study.

Identification and Statement of the problem.



- Identification and Statement of the problem conducted in order to find a solution.
- Also briefly describe the epidemiology, morbidity and mortality figures associated with the problem.

Research Strategy undertaken by Researchers



Write in your own words the findings of other researchers and their successes or failures in finding solutions to the problem.

This part has to be written after conducting a thorough and relevant literature search and providing appropriate references as and where needed.

The literature search should be from current research.



Rationale of your study

- State why you have decided to undertake research on this problem; what was it that posed as the motivation to conduct your study; what aspect of the problem or disease would you like to study and why?

3. OBJECTIVES

Objectives are statements of intentions. They inform the reader clearly what the researcher plans to do in his/her work.

Objective should be sufficiently specific, measurable, achievable, relevant and time bound (SMART).

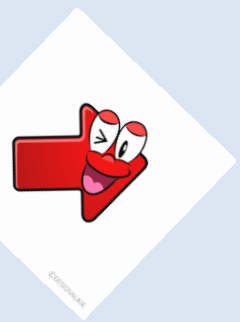
Objectives are written in 'action verbs' in the 'to do...' format, e.g., The objectives of this study are: **1. To determine 2. To compare.... 3. To correlate... etc.**

4. OPERATIONAL DEFINITIONS

- Should be present in every research proposal. It guides the reader about how the research measures individual variables, where they are measured, how they are measured.

Operational definition

vague terminologies may be avoided in operational definitions and only confirmatory tests/tools may be sufficient e.g., **Anemia in your patients could be defined as 'clinically evident by inspection of fingernails, mucous membranes or inner margins of eyelids' or as 'hemoglobin measurement in g/dl .**



You are free to use standard definitions of technical terms or even make you own definitions which you will use throughout your study



EXAMPLE

Diabetes is a chronic, metabolic disease characterized by elevated levels of blood glucose (or blood sugar), which leads over time to serious damage to the heart, blood vessels, eyes, kidneys and nerves.(1)

5. HYPOTHESIS

A hypothesis is a statement showing expected relation b/w 2 variables.

Hypothesis must be mentioned clearly and must reflect the objectives of the study.

A hypothesis is needed in the following study designs: i. All interventional studies ii. Cohort iii. Case control iv. Comparative cross sectional.'

It is important to note here that descriptive studies DO NOT carry any hypothesis.

6. MATERIAL AND METHODS

- **Study Design:**
- Mention the name of the appropriate study design.. The choice of study design must relate to the objectives.
- **Settings:**
- State the place where your research work will be undertaken. This may be a hospital and / or its department(s) or the community or both.

- **Duration:**
- The expected duration of your research study and why this duration is required.
- You may like to prepare a detailed time table (Gantt Chart) of your activities on a weekly or monthly basis.

- **Sample Size:**
- How many patients will be included. If there are groups how many per group? The protocol should provide information and justification about sample size.
- The sample size must be justified scientifically how it was calculated.

- **Sampling Technique:**

Type of sampling technique employed. Whether probability or non probability and even the subtype within each category must be clearly stated.

7. SAMPLE SELECTION

- **Inclusion criteria:** on what bases the participants were included in the study. Variables which are considered for inclusion must be stated.
- **Exclusion criteria:** On what bases will patients be excluded from the study.

8. DATA COLLECTION PROCEDURE

- For complete details of data collection procedure, the following information must be furnished before submission:
- **Ethical clearance.**
- **Clearance to be obtained from the institutional research board .(parent institute)**
- **Certificate for data collection to be obtained from the Subject institution.(other colleges)**
- **Informed consent to be taken must also be clearly mentioned.**

9. DATA ANALYSIS PROCEDURE

- Software for data analysis must be mentioned
- Type of variables must be mentioned.
- Data analysis plan for type of variables must be mentioned
- In case of analytical studies, type of statistical test must be mentioned. The level of significance for rejecting the null hypothesis must be mentioned.
- In case of correlation studies, type of test for measuring correlation must also be mentioned

10. REFERENCES

- **In Vancouver style:**
- When there are seven or more authors, only the first six should be listed followed by **et al.**
- Example: You CH, Lee KY, Chey RY, Menguy R. Electrogastrographic study of patients with unexplained nausea, bloating and vomiting. *Gastroenterology* 1980;79:311-4.

- For further assistance in reference writing in Vancouver style, refer to BMJ referencing guide at:

<http://www.southampton.ac.uk/library/resources/documents/vancouverreferencing.pdf>

ANNEXES

- Annex usually contains the Performa. Other annexes may be made to provide any detailed methods (e.g., lab procedure methodology, details of operative procedures, etc.) that cannot be included in the main text.
- Data collection instrument/tool
- Consent form



Main Headings of
proposal: bold, CAPITAL,
times new roman Font 14



12 size in times new
roman Subheading within
proposal: bold, CAPITAL,
times new roman

References

- KHYBER MEDICAL UNIVERSITY Office of Research, Innovation & Commercialization Advanced Studies & Research Board

ASSIGNMENT

- Write a proposal of any topic (already done) of your interest and write according to the sequence discussed.
- Not more than 2000 words
- Will be updated on LMS , PRIME MODULE
- With names and roll no's.
- Last date of submission is 5th May 2023

Thank
you