

THE RESEARCH PROPOSAL TEMPLATE

This document has been set up to assist students in preparing the text for their research proposal. It is NOT intended as a document to guide you through your research proposal development, but to assist you in setting out the proposal, in terms of text layout, section headings and sub-sections.

The Research Proposal is a complete description of the intended research, developed under the advice of the assigned advisor. Through the full proposal, the student needs to demonstrate convincingly that the study will make a contribution to a public health issue or problem. The full research proposal must be between 10 and 15 pages and should present the following:

Abstract – A short statement that let people understand your research quickly

Background and significance – Statement why your research is necessary/interesting

Problem statement– Put your research question in this area. State your objective(s) based on your problem statement. **The overview is removed. Students should include everything about problem statement in the Background and significance. Objectives should be listed here.**

Literature review– you should show that you looked through the most relevant topics for your research. **Students should provide extensive review on their work with references.**

Research design and methods – describe type of study, how many groups are there in the study, how would you compare or analyze the data (e.g. compare with control). **Make sure the study design is clear for the reader. Use of graphics is preferred.**

Study population and sampling/source of data – describe your population and sampling method

Sample size and selection of sample – calculate your sample size and state inclusion/exclusion criteria. **Make sure you show full calculation. If calculation software is used, students should show all parameters and options selected**

Collection of data and data management – describe the type of data, and what data will be collected. **If there is any processing from the raw data to analyzable data, please describe the process here.**

Data analysis methods – describe about data/result from your research. Types of the data. Processing of the data. Statistical planning must be addressed, or the candidate should provide evidence that statistics are not required.

Mechanisms to assure the quality of the study – e.g. control of bias, safe storage of data

Study period - Timetable for completion of the project. Your project should be able to complete in 12 months regardless of your start date. There could be a gap period between any month, but the actual working time should not exceed 12 months.

Ethical considerations – State any consideration that must be taken for your research

Strength and weakness – Strength and weakness of your research compared to existed research in the field

Public health significance – state the significance of your work in public health. If it has been stated in the introduction, reemphasize it again in this section

Budget – Please calculate the budget for this work. The maximum amount is 200,000 THB

References

Appendices

This template breaks the page on every new section for ease of access. Students can put some of them on the same page if needed. The length should not exceed 25 pages if topics are collapsed on the same page.

WHEN YOU ARE DONE, DELETE THIS FRONT INSTRUCTION PAGE FROM YOUR PROPOSAL

Type the title of your project here

STUDENT NAME:	Type your name here
STUDENT ID:	Enter your student ID
COURSE NAME:	Research experiences in biomedical sciences
FACULTY:	Faculty of Medicine, King Mongkut's Institute of Technology Ladkrabang
COURSE CODE:	17686003
ADVISOR:	Type your supervisor's name here
DATE OF SUBMISSION:	DD MMMM 20YY

CONTENTS

ABSTRACT

Background

Methods

Expected results

Do not use abbreviations or insert tables, figures or references into your abstract. Your abstract generally should not exceed about 300 words.

BACKGROUND AND SIGNIFICANCE

PROBLEM STATEMENT

Research Question/Hypothesis

Objective

LITERATURE REVIEW

This is your literature review. Use Headings 2 and 3 to provide sub headings in your review

CONCEPTUAL FRAMEWORK

RESEARCH DESIGN AND METHODS

Overview

Use headings 2 and 3 as appropriate, and use these headings if appropriate.

Population and Study Sample/Sources of data

Sample Size and Selection of Sample

Collection of Data and data management

Data Analysis Strategies

Mechanism to assure the quality of the study

Study period

Activity	Month/Year											
	1	2	3	4	5	6	7	8	9	10	11	12

ETHICAL CONSIDERATION

STRENGTHS AND WEAKNESSES OF THE STUDY

PUBLIC HEALTH SIGNIFICANCE

BUDGET AND MOTIVATION

REFERENCES

*Referencing

You may use any referencing style, but make sure it is consistent all along the document. Referencing manager software is recommended. Author-date referencing styles are recommended.

Vancouver Style can be found at this website:

<http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=citmed.TOC&depth=2> or a less detailed website:

http://www.nlm.nih.gov/bsd/uniform_requirements.html

APPENDICES