

## **8. Writing research report**

# Objective

At the end of this chapter, students will be able to:

- Explain the different components of a research report
- Write a research report

# **Components of Scientific Paper**

Title and cover page

Acknowledgment

Table of contents

List of tables

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Abbreviations and Acronyms

Abstract

1. Introduction
2. Objective
3. Methods
4. Results
5. Discussion
6. Conclusion
7. Recommendation
8. References
9. Annexes

# Abstract

- The abstract will be the first (and for busy decision makers most likely the only) part of your study that will be read
- Writing abstracts demands thorough reflection and is time consuming
- The purpose of the abstract is:
  - To highlight key points from the major sections of the research paper.

# Components of the abstract

Component of abstract	Abstracted from
Brief description of the problem (Why this study was needed)	Introduction
Main objectives of the study	Introduction/ objective
Place of the study	Methods
Type of the study & methods used	Methods
Main findings	Results
Conclusions and recommendations	Discussion

# Abstract cont...

- Abstract can be structured or unstructured (always check the instruction of the institution/journal)
- Remember that only few words are allowed to be included in the abstract (usually 250-300 words)
- Emphasize on what is new and useful

# Introduction

- Purpose → to explain why your study is needed
- Often requires just three paragraphs
- Objectives are usually the last part of the introduction



# Components of introduction

- Background of the study
- Statement of the problem
- Literature review
- Significance of the study

# Methods

- Purpose → To describe how you collected, organized and analyzed data that are relevant to the purpose of the study
- Organize into logical subsections that illustrate the steps you took to collect, organize and analyze the data
- Describe what you did, not what you found
- Describe original methods in detail; otherwise give references