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CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE
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YUNIVESITHI E BOHARENG YA THEKENOLOJI, FOREISATA

Contents

- Theme: *Structure* of a *scholarly* scientific paper
- What is research?
- The structure of a paper
- Common errors
- Some considerations

Central problem: what is research?

Research has some characteristics.

- Closing the gap on something you don't know
- Scientific and Critical enquiry
- Analysis and synthesis
- Discovery of new knowledge
- New theories, models and applications

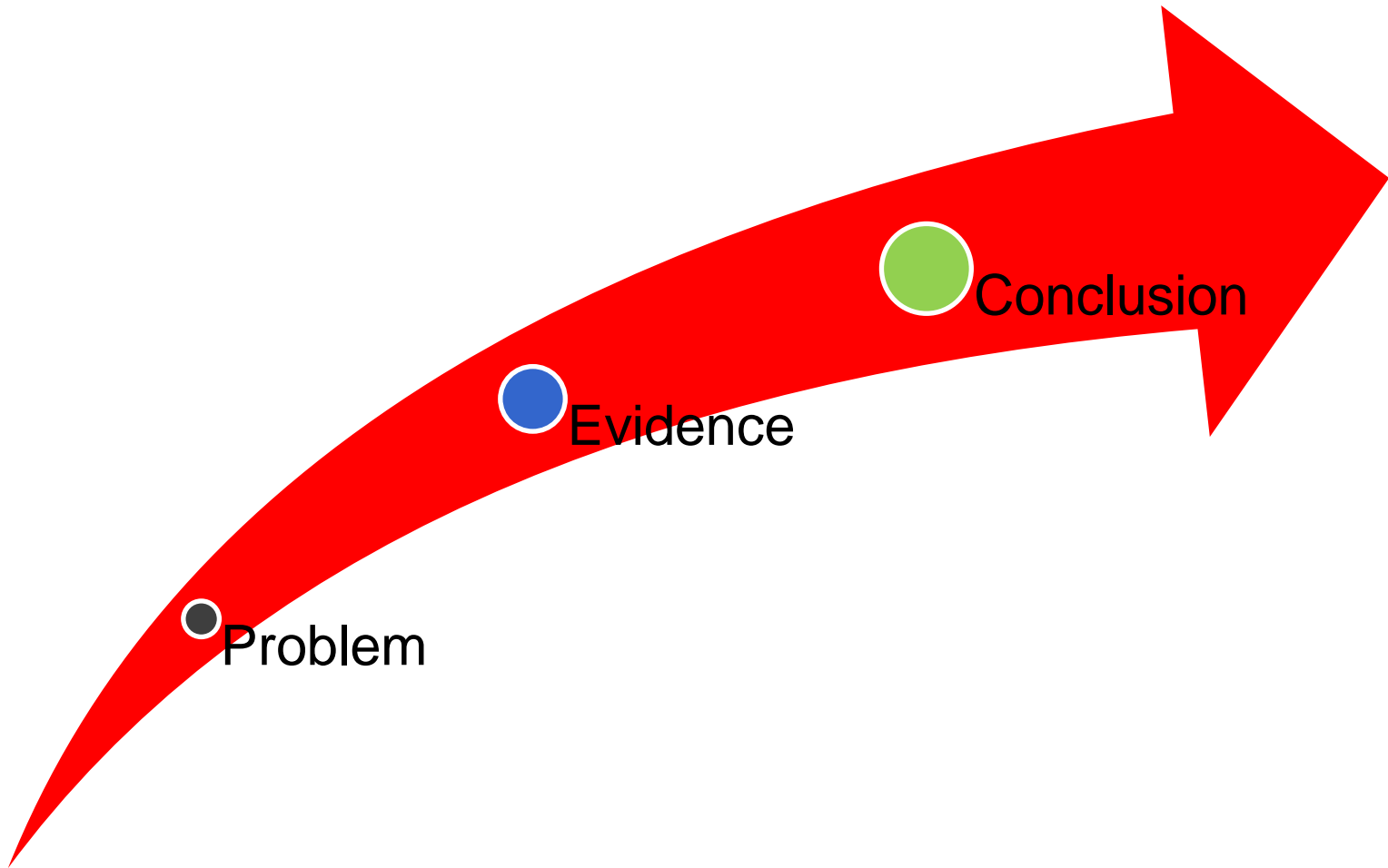
Structure of a scientific paper (Contents and not headings)

(Lues and Lategan, 2006)

1. Title
2. Abstract
3. Introduction
4. Identification of design and methodology(ies)
5. Body or content (Literature review, qualitative/,quantitative study, results and discussion)
6. Conclusion
7. References

↔ **Structured, systematic and focused approach**

The lay-out

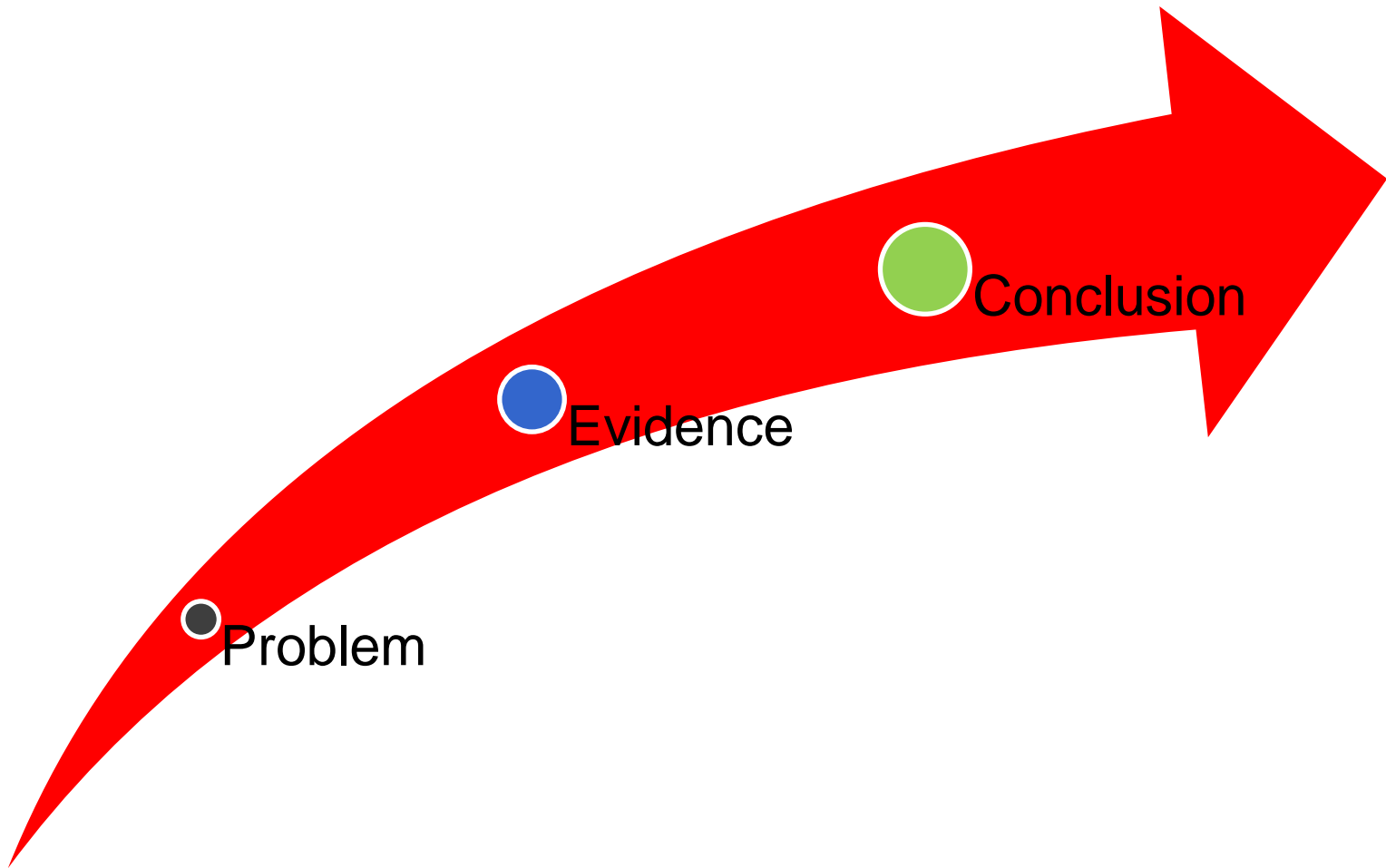


Conceptual structure of paper

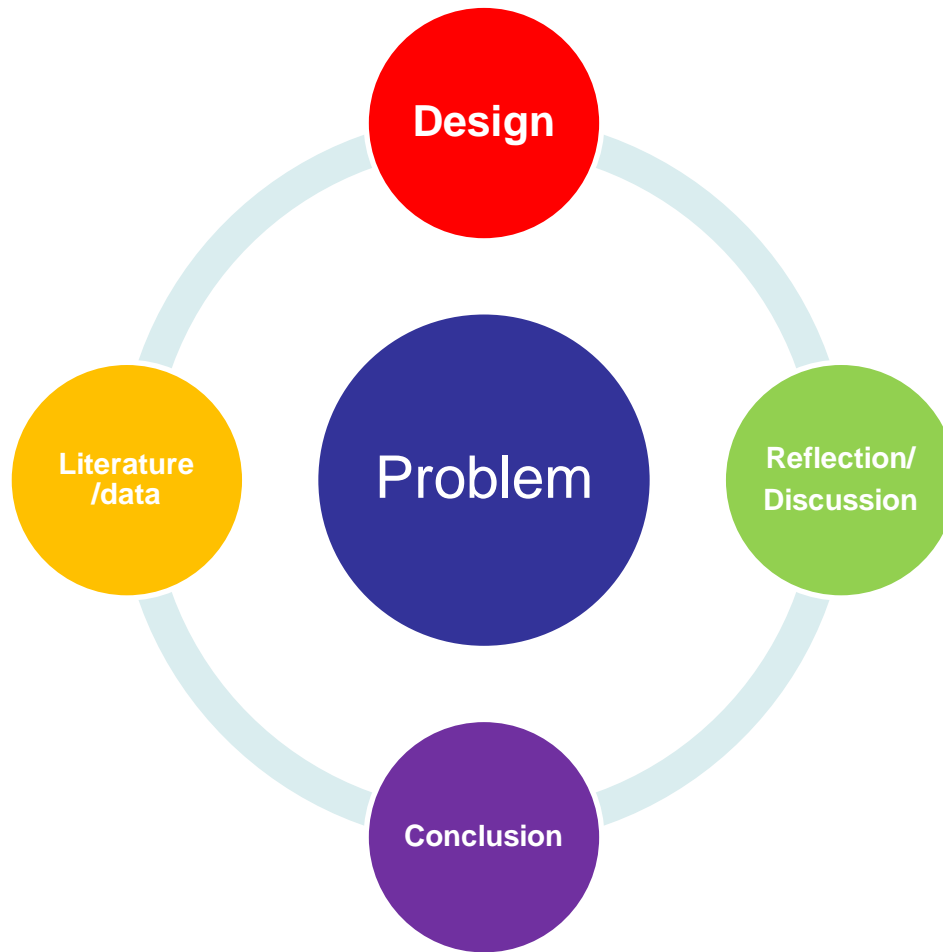
- J. Mouton – *Understanding social research* (1996).
Formulation of new perspectives through the research project.

| | M | D | Article |
|-------------|-----|--------|---------|
| Problem | 30% | 20-30% | 10-15% |
| Evidence | 30% | 20% | 10-15% |
| Conclusions | 40% | 50-60% | 70-80% |

The lay-out



Structure of paper



RE: search

ABC

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INTERIM

2010



Interdisciplinary Journal

Year 9 ● Number 1

20 Common errors

- **Title**
- **Design**
- **Research question**
- **No argument**
- **Hypothesis**
- **Method and methodology**
- **Referencing**

- **Literature review**
- **Literature consulted**
- **Findings and Conclusions**
- **Contents**
- **Footnotes**
- **Language**
- **Scientific writing**

- **Ethical and integrity challenges**
- **Relevance of paper**
- **Technical requirements**
- **Deliver on promises**
- **Writing up**
- **Be in command of the research topic**

NB!!!

- The art of self-evaluation

Summary

- A mechanical nature (spelling)
- A scholarly nature (unsubstantiated claims)
- Microstructure level (flow of arguments and inconsistencies)
- Macrostructure level (quality and clarity of purpose)

The writer's agenda

1. Search for new ideas. Willingness to experiment. Can things be different? Is an alternative possible?

The writer's agenda

2. Know your own prejudices, preferences and sentiments.

The writer's agenda

3. The willingness to fit questions and arguments into the broader context.

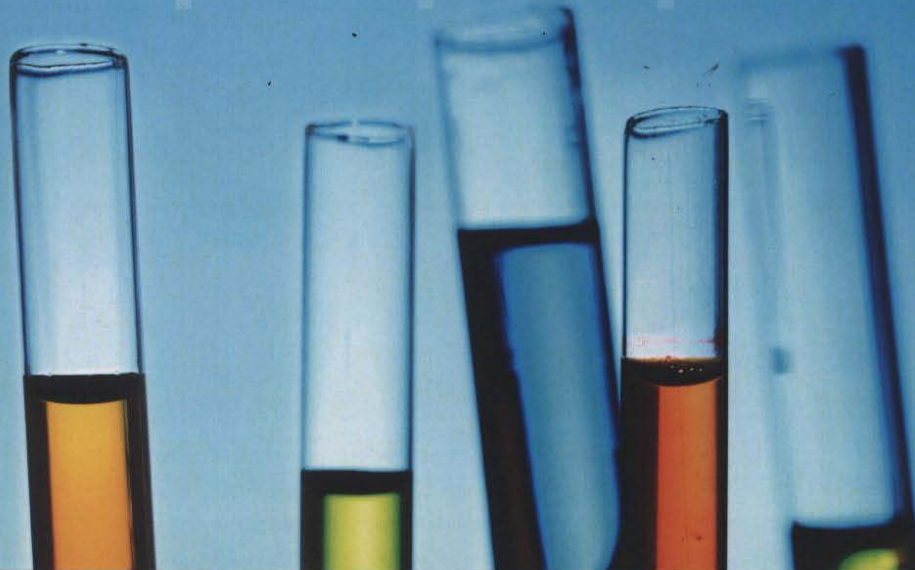
The writer's agenda

4. Research integrity and ethics (data integrity, feedback, plagiarism, regular feedback, who owns the IP?).

Doing Research

Revised Edition

Laetus O.K. Lategan
Liesel Lues
Hesta Friedrich-Nel
(Editors)





Central University of
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Thank You

A presentation by Laetus O K Lategan

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