# **Potential Significance of Discussion in Research**

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**Abstract:** Education plays a critical role in the advancement of human civilization to its full potential in terms of its influence on life. Education endures over the years as a consequence of continual growth and recognition of information that existed throughout humans but was concealed from other people's bodies and visions. However, many were declined and later included with the help of identifying the right proof at the right time. The searched and identified things were later became irrelevant or decreased with the development of new theories and knowledge (Glasman-Deal, 2010).

**Keyword:** Human civilization, Education, Research, Knowledge

## 1- Introduction

Education plays a critical role in the advancement of human civilization to its full potential in terms of its influence on life. Education endures over the years as a consequence of continual growth and recognition of information that existed throughout humans but was concealed from other people's bodies and visions. However, many were declined and later included with the help of identifying the right proof at the right time. The searched and identified things were later became irrelevant or decreased with the development of new theories and knowledge (Glasman-Deal, 2010). Further, the theories and knowledge that existed on the surface lead to developing novel theories and knowledge that will develop an advanced level of theories and knowledge (Annesley, 2010). This process happens with the assistance of the scientific explanation-Research; searching again and again with existing evidence available to the production of different knowledge that can be against or support the existing knowledge. However, knowledge production always relies upon scientific explanation (Cargill & O'Connor, 2009). How does it work? Every research has its method of analyzing problems that have found. Some sections have been divided to identify the particular area of the problem described, such as Review of literature, Methodology, Analysis of Data and interpretation of results, and the rest (Day & Gastel, 2006).

Moreover, in research, one crucial area that can be considered is the Discussion- the Discussion of the findings. The discussion part is the highlight of the entire research (Sanli et al., 2013). The Discussion chapter explains the meaning of the research, the relevance and importance of the results found, and how it related to the literature review and research questions and arguments to support the overall conclusion (Bagga, 2016)

## 2- Significance Of Discussion

Most importantly, Discussion provides a clear-cut idea of the research paper. However, the discussion chapter has a structure to be followed as it requires essential information to be held throughout the procedure. Docherty and Smith (1999) provided a design to be followed while writing a discussion chapter (Vieira et al., 2019).

- Principle findings' statements
- The strength and weaknesses of the particular study
- The strengths and weaknesses concerning other studies
- Finding and discussing differences in the results
- Meaning of the current study providing possible implications and mechanisms
- Unrequited questions and future research possibilities

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However, Bagga (2016) explored that the discussion section should be followed by criteria including

- Highlight and interpretation of the essential results
- Acknowledging limitations and strengths
- Expanding scientific knowledge and challenges related to the literature
- Implications and suggestions for further research
- Concluding with a strong, concise statement

# 3- General Rules for Preparing A Discussion

Researchers raise questions such as how to develop a discussion in research, what are the steps of writing discussion, and how to structure previous studies in discussion. Discussion is considered as one of the crucial elements of a research paper. Let us look into a few points on writing discussion very precisely.

- It is to note that to avoid long-winded and repetitive statements
- Make points in a concise manner
- Using jargon is prohibited
- Ensuring a logical stream of thought
- Usage of the present tense is appreciable, and if referencing to other works and references, the use of the past tense is acceptable
- Organizing the data into subheadings is acceptable

What should the contests of discussion? The Content of the Discussion may be followed as given below (Jalilifar et al., 2012; Sacred Heart University, 2021)

## i. Result Explanation

The commenting of the effectiveness of the present result as they were expected or not while going indepth when explaining the results and identifying unanticipated and unusual patterns or trends emerged from the results and explaining their meanings.

#### ii. Previous Research References

Comparing the results with the findings of other studies and using the studies to support the results. Using the literature reviews that already identified and the newly studied research findings can be taken to produce general and background information while strongly supporting the results of the particular research.

## iii. Deduction

The implementation of the results describes the learned lessons, proposing recommendations that improve the situations, and the best practice commendations.

#### iv. Hypothesis

A possible conclusion arises from the results that may be proved or disapproved in the following research.

# v. Structure and Organization

The following guidelines should be carefully followed while developing discussion in research, according to Docherty et al. (1999), Bavdekar (2015), and Sacred Heart University (2021).

- Organization of the results from general to specific as it linking the findings to literature then to theory and practice as it looks like a pyramid
- The usage of the same key terms, narration mode, verb tenses as used while describing the research problem in the introduction
- Begin with stating the research problem and answer all the research questions
- Describing the principles, patterns, and relationships identified in major findings and placing them in proper perspective; mainly stating the answer, relevant results, and citing works of others, and referring to the table to figure out to enhance the interpretation of data
- Analysis of unexpected findings is discussed in a good discussion section. However, the paragraph may be started with explaining the unexpected findings followed by a brief interpretation of the reason for its arrival. If more unexpected results were found, describe them in order as they appeared
- Identify the potential weaknesses and limitations before concluding the Discussion. Comment on their relation to the findings of the particular study and explain how they can be affected the validity of the present study while not using an apologetic tone.

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• The discussion section should end with a concise summary as it provides the knowledge of the results regardless of statistical significance and the explanation about the importance of the study's findings and its importance in understanding research problems. Avoid recommendations that can be identified easily within the study

# vi. Overall Objectives that should be included

- The restatement of research problems that have been investigated and describing the study's major findings can be explained in a direct, informative way with a direct, declarative, and concise announcement of the study results.
- Systematically explain the meaning of the findings and their importance
- Relating the findings to the similar studies
- The alternative explanation of the results as the research is to discover instead of proving something.
- Acknowledging the limitation of the study while describing the generalizability of the results to other situations, the methods chosen, and the problems encountered in methods used to gather information and to note the unanswered questions and issues that the study did not address.
- Make suggestions for further research as the unanswered questions may come as a more focused area later

#### 4- Problems To Avoid

Bagga (2016), as well as Vieira et al. (2019), have stated that the following elements should be taken into consideration while writing a discussion of the findings.

- Avoid rewriting the results
- Do not repeat recommendations for further research in Discussion or Conclusion
- Do not introduce new results in the Discussion
- Use of too much of first-person may result in inaccuracy
- Do not discuss every finding (emphasize the key findings only)
- Avoid lengthy text
- Do not criticize other workers in Discussion; the contrary findings should be handled professionally
- Do not inflate importance or concentrate on findings than supported by the data
- Avoid unnecessary speculations (Only emphasize the part that is a speculation that is not supported by data and highlights the need for further research)

#### 5- Conclusion

The purpose of the discussion is to interpret and communicate the significance of your findings in light of what has previously been established about the research question under examination, as well as to explain any additional knowledge or insights that have emerged as a result of your research. Because of the research questions or hypotheses, you posed and the literature you reviewed, the discussion will always be connected to the introduction; however, it does not simply repeat or rearrange the first parts of your paper; rather, it clearly explains how your study advanced the reader's understanding of the research problem from where you left them at the end of your review of prior research. This paper discussed the significance of discussion, and the ideas needed while developing discussion of results in a scientific study/paper

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