

## Developing Student Motivation Through Scientific Writing Learning Guidance

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### ABSTRACT

*In this community service project, tutoring will be highlighted. Tutoring is used in this activity to provide students with a range of perspectives on the knowledge they have learned as a consequence of their own experiences with their surroundings. Students contribute significantly to the development of thinking abilities through their use of language in scientific papers. The approaches used in this service activity include explanation and practice. This is because students' understanding and writing abilities are limited, making it harder for them to produce scientific articles. One aspect of student development is the development of the capacity to write scientific articles. This capability is immediately obvious in well-structured writing. The findings of this study show that students were able to write scientific papers as a consequence of this service, allowing them to grow and think creatively while finishing their studies through the production of scientific papers, and that students are proficient at writing scientific papers.*

**Keywords:** Student Motivation; Tutoring; Scientific Writing

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### 1. Introduction

Education is inextricably linked to life, and emerging countries like Indonesia have a large effect on global development. Education Learning is a process of personality development that has an effect on the quantity and quality of behavior such as skills, knowledge, and habits, as well as on the development of talents and abilities. If learning is the acquisition of a skill, then teaching is the application of that talent. Teaching is the process of leading students through the process of learning. Today's education is increasingly focused on classroom instruction, despite the fact that this has had little influence on students' writing development. As a result, pupils commonly create literary works independently of their instructors.

The function of a student has unique obstacles, including students who are deemed more mature and responsible than they were during their previous time, particularly when they were students, necessitating a greater degree of independence on the part of students (Daulay, 2021). Students, as members of the younger age, are expected to express their genuine opinions. One of them is writing exercises as a way for students to improve their creativity, which may be enhanced by their involvement in extracurricular tutoring activities (Raharja et al., 2019).

Lecturers commonly think that student desire for studying is an issue that students must tackle independently and that students must aim for high motivation. Lecturers, on the other hand, might attempt to add motivational components into their teaching process and approach in order to pique, grow, and sustain students' interest in learning (Mendari & Kewal, 2016).

Tutoring is a planned activity designed to elicit a range of sensations from the topic studied as a consequence of the individual's own interactions with his surroundings (Yuliana, 2019). Tutoring is a process that encompasses much more than just objectives and outcomes. Writing is a type of communication that enables you to convey yourself to other people, particularly readers, through writing. Scientific writing is a sort of written work that is founded on scientific examination and research (Madayani, 2020).

Students sometimes struggle with language and grammar while writing scientific papers. Difficulties in obtaining thoughts or ideas are always an impediment, even if authors are required to have ideas or ideas as well as enough language and a connection to the topic presented in the writing. Everyone, in essence, must have some thoughts. However, the majority of students struggle to articulate their thoughts and develop them into a paragraph, which eventually becomes a piece of effective writing (Nirwana & Abd. Rahim Ruspa, 2020). Scientific writing is an essay that contains thoughts, observations, assessments, and research in certain areas. It is arranged according to precise protocols and involves systematic writing, polite language, and verifiable information (Prihmono & Putro, 2006).

Tutoring activities for writing scientific papers are more focused on 1) providing facts, 2) offering definitions, 3) explaining challenges clearly/completely, 4) applying particular theories, and 5) presenting problems through deduction or processing (Kusumaningrum, 2019). Student motivation development is an action that occurs in the context of producing scientific publications. The student skill development tasks in question include comprehension of written works/works and creation of writings/works, in this instance proposals. As a result, students completing their undergraduate education in the last semester are required to prepare scientific papers.

## 2. Implementation Method

The approaches used in this service activity include explanation and practice (Octavianty et al., 2021). To conduct training activities, the lecture method, question and answer, and direct practice in the form of face-to-face encounters with severe health protocols are employed (Engagement, 2021). Community service is conducted in the Da'wah Muhammadiyah Building in Baubau City. This tutoring exercise gives guidance and encouragement to students as they produce scientific papers. Final semester students have the capability, ability, and chance to develop scientific articles based on their vocation, qualifications, and experience, through scheduled courses such as research outcomes studies, classroom action research, and writing skills, among others (Risqiyah, 2021). This guidance activity involves the examination and development of prospective abilities and opportunities (Nahdi et al., 2020). After completing this course, students are expected to utilize their potential, talents, and opportunities by practicing and creating scientific publications, as well as submitting ideas for study programs to be evaluated.

The steps of a guiding technique are as follows: instructing students on how to write scientific articles and having them practice producing scientific writing, such as research proposals.

### 3. Result

The guidance activities will take place on 23-24 October 2021, as for the place for the activity: Muhammadiyah Da'wah Building, Baubau City. Jl. Betoambari. In order to provide participants with guidance material, such as an understanding of scientific writing. This tutorial gives students with the knowledge they need to become competent and efficient scientific writers, and it demonstrates the simplest and most effective approach to write well and accurately, as well as how to draft a research proposal for students of the primary school teacher education study program, faculty of teacher training and education at the University of Muhammadiyah Buton. The goal of the guidance activities for writing student scientific articles is to increase student enthusiasm to write scientific papers. This is done because students have a poor comprehension and knowledge of writing, making it difficult for them to create scientific papers. The growth of the ability to produce scientific papers is one type of student development. This capacity is readily apparent in organized writing.



**Figure 1.** Explanation of Scientific Writing

Students have used the tutoring to interpret what the speaker said and can now write in the form of scientific papers, demonstrating that they grasp the necessity of writing scientific papers. Students worked on drafting and experienced making research proposals throughout this two-day guidance-based service activity.



**Figure 2.** Practice of Writing Scientific Papers

Students are offered tutoring support so that they may write strong and proper written works that can be applied to final semester courses like writing proposals and theses, and so that they can have an objective and clear view of scientific writing. This assignment demonstrates that pupils are able to comprehend the material presented by the instructor. So

that students can make good adaptations in learning settings, learn effectively and efficiently based on their talents, and develop to their full potential.

#### 4. Discussion

This tutoring session is implemented in a learning design that focuses on motivation in students' comprehension of scientific writing. The processes in student motivation for producing scientific papers through tutoring are outlined below:

##### 1) Arrange Activity Schedule

The first step in preparing the plan is to create a timetable of reference activities for the tutoring activities to be carried out. The schedule is devised in accordance with the period allotted for tutoring execution. The timetable and a number of provisions are presented in order to reach an agreement as a learning contract between students and lecturers.

##### 2) Setting up the Instrument

Create a timetable of reference activities for the tutoring activities to be carried out as the first step in establishing the plan. The schedule is created in accordance with the amount of time given for tutoring. The timetable and a number of provisions are offered in order for students and lecturers to achieve an agreement as a learning contract.

##### 3) Setting up the Guide

Preparing a guide for use in the primary school teacher education study program, faculty of teacher training and education science during the systematic drafting of scientific papers is the activity in designing this activity. This exercise is completed in groups, with students divided into groups that allow them to collaborate. The professor chooses the group coordinator based on a set of criteria.

#### 5. Conclusion

Participants first had questions regarding how to write good and correct scientific articles, as well as the structure of good and correct scientific publications. Students are only familiar with proposals and theses, but not with how to write them. That is, students must be able to drive themselves to write scientific papers in order to be able to develop and think creatively while completing their studies through writing scientific papers. There are many different types of scientific work. Journal articles are one sort of scientific study writing. Scientific writings are many modifications and adaptations depending on the regulations of the medium that publishes them or varied arrangements based on the institutions with which they are programmed, but they do not depart from the fundamentals of writing structure, format, and systematics. Scientific writing has a more flexible language style. As a result, each scientific paper has an own writing style.

#### 6. Acknowledgments

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