



## Teacher's Professional Competence on Student Learning Outcomes

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### Abstract

*The purpose of this study was to determine "The Influence of Teacher Professional Competence on Learning Outcomes of Class X Social Studies Students in Economics Subjects at State High School 1 Kabila. This study uses a quantitative approach with the method used is the method of Simple Linear Regression Analysis with a sample of 24 students. Data collection techniques used in this study were interviews, questionnaires, and data analysis techniques in this study using simple regression. The results showed that there was an influence of teacher professional competence on the learning outcomes of class X social studies students in economics subjects at State High School 1 Kabila. The influence of teacher professional competence on student learning outcomes reaches 37.1% while the remaining 62.9% is influenced by other variables not examined.*

### Abstrak

*Tujuan penelitian ini adalah Untuk mengetahui "Pengaruh Kompetensi Profesional Guru Terhadap Hasil Belajar Siswa Kelas X IPS Pada Mata Pelajaran Ekonomi Di SMA Negeri 1 Kabila". Penelitian ini menggunakan pendekatan kuantitatif dengan metode yang digunakan adalah metode Analisis Regresi Linier Sederhana dengan jumlah sampel 24 siswa. Teknik pengumpulan data yang digunakan dalam penelitian ini adalah wawancara, kuesioner, serta teknik analisis data pada penelitian ini menggunakan regresi sederhana. Hasil Penelitian menunjukkan bahwa terdapat Pengaruh kompetensi profesional guru terhadap hasil belajar siswa kelas X IPS pada mata pelajaran ekonomi di SMA Negeri 1 Kabila. Besar Pengaruh kompetensi profesional guru Terhadap Hasil Belajar Siswa mencapai 37,1% sedangkan sisanya sebesar 62,9% dipengaruhi oleh variabel lain yang tidak diteliti.*

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## Introduction

Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have religious spiritual strength, self-control, personality, intelligence, noble character, and skills needed by themselves, society, nation and state.

Education has a very important role in the development of Indonesian people as a whole. Therefore, education is very necessary to be developed from various sciences because quality education can increase the intelligence of a nation. To realize the achievement of the intended intelligence of a nation, one of the elements in education that determines the achievement of educational goals is the professional competence of a teacher.

Professional competence is an ability possessed by a person in a particular field that is occupied by someone in which the job must have expertise obtained through special education. Professional competence of teachers is the ability to master subject matter broadly and deeply in the material, including mastery of the substance of the content of the curriculum subject matter in schools and the scientific substance that overshadows the curriculum material, as well as increasing scientific insight as a teacher. The professional competence of teachers is a determinant of student learning outcomes.

Teachers are an important asset for education, the success of education depends on how a teacher interacts with students. So that teachers are required to be able to lead the class effectively and efficiently in learning. As stated by (Utami, & Hasanah, 2020), the teacher can be said to be the manager in the class. As a manager, a teacher is required to be able to lead the class effectively and efficiently in learning. The changing times that change all the time require teachers to follow developments, for example in the field of technology.

Therefore, it is important for teachers to have insight, especially understanding the characteristics of students, preparing lesson plans, and further exploring their competencies according to the times. This is because teachers not only teach students to live in the present but also for the future.

Learning Outcomes itself is a level of student success in learning according to their absorption of the subject matter at school which is expressed in the form of scores obtained from test results regarding the number of certain subject matter and the professional competence of teachers is fundamental in realizing good learning outcomes for students. itself.

The understanding of Learning Outcomes put forward by Susanto (2015: 5) says that student learning outcomes are abilities that are obtained by children after going through learning activities. Because learning itself is a process of someone trying to obtain a form of behavior change that is relatively permanent. In learning activities or instructional activities, the teacher usually sets learning objectives. Children who are successful in learning are those who succeed in achieving learning goals or instructional goals.

From the explanation above, it is related to the professional competence of teachers and student learning outcomes. Researchers conducted preliminary observations and found several kinds of problems regarding the learning outcomes of class X Social Studies students in Economics at SMA Negeri 1 Kabila, Bone Bolango Regency, Gorontalo Province. The problem in question is the decline in student learning outcomes in economic subjects in the learning process. This can be seen from the lack of attention of students in receiving learning materials as well as the completion and results seen in the assignments and

enthusiasm of students. In problems like this the lack of student attention in economics is due to lack of will, lack of encouragement in learning, unattractive learning and teaching activities, and inappropriate and effective teacher competencies. By looking at these conditions, one of the efforts that must be made by teachers to improve student learning outcomes is to increase professional competence. With the application of teacher professional competence and being able to build enthusiasm for student learning interest in economic subjects, student learning outcomes can be said to be good and improve because they meet the Minimum Completeness Criteria (KKM) 75 in economic subjects.

## **Theoretical review**

### ***Learning outcomes***

Learning outcomes is a term consisting of two words namely results and learning, between results and learning have different meanings. Therefore, before discussing the meaning of learning outcomes, it is better if the discussion is directed to the first problem to gain further understanding of the meaning of the words results and learning. This is to make it easier to understand more deeply about the meaning of "learning outcomes" itself.

The result is something that is obtained from an activity, created, either individually or in groups. Results will never exist as long as someone does not do an activity. In reality, getting results is not as easy as imagined, but full of struggles with various challenges that must be faced to achieve them. Only tenacity and self-optimism can help to achieve this.

In learning activities or instructional activities, the teacher usually sets learning objectives. Children who are successful in learning are those who succeed in achieving learning goals or instructional goals.

So with the learning outcomes, people can find out how far students can catch, understand, have certain subject matter. On that basis, educators can determine better teaching and learning strategies.

### ***Learning Outcomes***

The purpose of learning outcomes is a description of the desired behavior change or a description of the desired behavior change or product description that shows that learning has occurred. Learning Outcomes Objectives After teaching and learning activities, an evaluation of learning outcomes will be carried out. Student learning outcomes are essentially changes in behavior as a result of learning that includes the cognitive, affective and psychomotor fields. The purpose of learning outcomes is essentially a change in behavior seen from the assessment of a student's attitude that leads to the expected educational goals. As stated by Sudjana (2016, p. 4) regarding the objectives of the assessment of learning outcomes, namely as follows:

1. Describe the learning skills of students so that their strengths and weaknesses can be identified in various fields of study or subjects taken. By predicting these skills, it can also be seen the position of students' abilities compared to other students.
2. Knowing the success of the education and teaching process in schools, namely how far it is effective in changing the behavior of students towards the expected educational goals. The success of education and teaching is important considering its role as an effort to humanize humans or human culture, in this case the students to become qualified human beings in intellectual, social, emotional, moral, and skill aspects.
3. Determine the follow-up to the results of the assessment, namely making improvements

and improvements in terms of education and teaching programs as well as their implementation strategies.

4. Provide accountability from the school to interested parties. The parties in question include the government, the community, and parents of students. In accounting for the results that have been achieved by the school, providing reports on the strengths and weaknesses of the implementation of the education and teaching system as well as the obstacles it faces.

From the explanation, the purpose of the assessment of learning outcomes is to measure the ability of one student to another, to measure the success of the education and teaching process carried out by the teacher in the classroom which includes several aspects such as intellectual, social, emotional, moral and skill aspects.

## **Method**

### ***Research Approach***

This study uses a quantitative approach and according to Sugiyono (2017: 8), quantitative research methods can be interpreted as research methods based on the philosophy of positivism, used to examine certain populations or samples, sampling techniques are generally carried out randomly, data collection using instruments In research, data analysis is quantitative or statistical in nature with the aim of testing the established hypothesis.

### ***Data Collection Technique***

Data collection techniques used in conducting this research are using observation techniques, questionnaires, interviews and documentation.

### ***Data Analysis Technique***

To determine the effect of teacher professional competence (variable x) on student learning outcomes (variable y). Then the test is carried out using a simple linear regression formula.

## **Results And Discussion**

### ***Research Result***

After the data normality requirements are met, then a regression analysis is carried out between the Professional Competence of Teachers and Student Learning Outcomes. The analysis technique used is simple linear regression analysis. The regression model to be built in this study is as follows:

$$\hat{Y} = a+bX \text{ (Sugiyono, 2018: 188)}$$

*Information:*

$\hat{Y}$ : Student Learning Outcomes

X: Teacher's Professional Competence

The results of the regression analysis using SPSS are as follows:

## Table of Regression Analysis Results

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	18.904	11.148		1.696	.104
	X	.618	.172	.609	3.604	.002

a. Dependent Variable: Y

Source: Primary Data processed by SPSS, 2021

Based on the results of the analysis above, the regression model of the effect of Teacher Professional Competence on Student Learning Outcomes is  $Y=18,904+0,618X$ . This means that each additional variable X (Teacher's Professional Competence), the value of the participant variable Y (Student Learning Outcomes) increases by 0.618. The regression coefficient is positive, so it can be said that the direction of the influence of the X variable on Y is positive.

### ***Hypothesis Test***

After testing the model, it will then be carried out testing the significance of the Effect of Teacher Professional Competence on Student Learning Outcomes, while the stages of testing to be carried out are as follows:

1. Determination of Hypothesis Ho: there is no positive effect of the variable Teacher Professional Competence on Student Learning Outcomes. H1: there is a positive effect of the variable of Teacher Professional Competence on Student Learning Outcomes.
2. Determination of the level of confidence that will be used in this study is 95% or in other words the significance level (alpha) is 5%.
3. Determination of Test Statistics In carrying out the significance test of the effect in the regression model, the t test will be used.
4. Determination of test criteria is based on the comparison between the t-value obtained and the t-table. If the value of t-count is greater than t-table, then Ho is rejected. Testing can also be based on a comparison of the significance value obtained with the alpha value used. If the significance value obtained is greater than the alpha value, then Ho is accepted.

### ***Discussion***

Teacher's Professional Competence is the ability to master a broad and deep learning material that allows guiding students to meet the competency standards set out in national education standards. Professional teachers have personal, social, intellectual, moral, and spiritual responsibilities (Darmadi 2016; Suganda 2013).

Associated with the professional competence of teachers is the ability that must exist within the teacher in order to realize its performance appropriately and effectively. Professional teacher competence is divided into 4, namely pedagogic competence, personality competence, social competence, and professional competence.

Based on the opinion above, it can be understood that competence Professionalism is the existence of skills, abilities, knowledge and skills possessed by an educator, teacher, mentor students in the teaching and learning process. Because the achievement of student learning outcomes can be said to be optimal if the level of student learning achievement is in

accordance with what is expected where the value obtained meets the standards set at school, namely in accordance with the minimum completeness criteria standard (KKM) 75. From the results of the analysis that has been carried out, it shows a significant effect of Teacher Professional Competence on Student Learning Outcomes. This is based on the results of the t-count test for the Teacher Professional Competence variable which is greater than the t-table so that the  $H_0$  is rejected. This shows that the quality of teacher's professional competence is increasingly affecting student learning outcomes. In connection with this research is to determine the effect of professional competence of teachers on the learning outcomes of class X social studies students in economics subjects at SMA Negeri 1 Kabila, Bone Bolango Regency, Gorontalo Province. The results of hypothesis testing using simple linear regression testing, from the results of calculations obtained a regression equation and the results are significant.

## **Conclusions And Suggestion**

### ***Conclusion`***

Based on the results of the research and discussion, the researchers concluded that Teacher Professional Competence has a positive and significant effect on the Learning Outcomes of Class X Social Studies Students in Economics Subjects at SMA Negeri 1 Kabila, Bone Bolango Regency, Gorontalo Province. These results indicate that the better the Professional Competence of the Teacher, the better the Learning Outcomes of Class X Social Studies Students in Economics at SMA Negeri 1 Kabila, Bone Bolango Regency, Gorontalo Province.

### ***Suggestion***

Based on the conclusions of the study, the following suggestions are put forward:

- Parent

expected to provide more support and to students in carrying out the learning process so that the learning outcomes achieved by students are greater than before.

- For Teachers

expected to continue to maintain and improve the quality of professional competence in improving the quality of students.

- For student

It is hoped that it will increase self-awareness to continue learning and always communicate with the teacher for all the obstacles faced.

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