THE INFLUENCE OF SELF-EFFICACY ON STUDENT LEARNING OUTCOMES WITH ENVIRONMENT AS A MODERATING VARIABLE

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Abstract

This research is a quantitative research with an explanatory approach. The data used in this study are primary data from interviews with 400 high school students spread throughout Indonesia. The interview consisted of 10 questions with three main teams around Self-Efficacy, Student Learning Outcomes, and School Environment. The interview content contained 5 statements, namely strongly agree, agree, normal/so-so, disagree, and strongly disagree. The data was analyzed using the smart PLS 4.0 analysis tool. The result in this article show that each hypothesis proposed by the researcher in the research methodology section can be accepted. In the first hypothesis section which is in line with the five previous studies, namely (Revita 2019); (Pertiwi 2021); (NURLATIFAH RANGKUTI 2021); (Hartini 2023) & (Faadhilah 2020) shows similar results, namely the Self-Efficacy variable can have a positive relationship direction and a significant influence on Student Learning Outcomes because the P-Values are positive and below the significance level of 0.05, namely 0.023. This is because self-efficacy can create self-confidence or potential, competitive ability, and other things that can improve student learning outcomes. In the second hypothesis, as well as proof of the researcher's creativity in adding the Environment variable as a moderating variable, it also shows similar results, namely the Environment variable can moderate the influence of the Self-Efficacy variable on Student Learning Outcomes. This is because the P-Values value leads to the positivity and is below the significance level of 0.05, which is 0.000, which is more significant than direct testing of 0.023. Thus, the first and second hypotheses in this article can be accepted and proven.

Keywords: Self-Efficacy, Student Learning Outcomes, Environment

INTRODUCTION

In the learning process, students need self-efficacy. Self-efficacy is a belief in one's ability to do a task in order to achieve goals and overcome various obstacles encountered. Self-efficacy is one's own perception of how well one can function in a particular situation (Winda Meidina and Netty Laura 2022). Self-efficacy is related to the belief that one has the ability to perform the expected action. According to Baron and Byrne, self-efficacy is defined as a person's evaluation of their ability or competence to perform a task, achieve goals, and overcome obstacles. According to Bandura and

Wood, self-efficacy refers to the belief in an individual's ability to drive motivation, cognitive abilities, and actions needed to meet the demands of the situation. Self-efficacy is the belief that one can master a situation and produce positive results (Cahyadi 2022).

Schunk said that self-efficacy plays a very important role in influencing the efforts made, how strong the efforts are in predicting the success that will be achieved. This is in line with what Woolfolk stated that Self-Efficacy is a person's assessment of themselves or the level of belief in how much ability they have in doing a certain task to achieve certain results (Syah 2020). Gits and Mitchell said that self-efficacy can lead to different behaviors between individuals with the same abilities because self-efficacy influences choices, goals, problem solving, and persistence in trying.23 A person with self-efficacy believes that they are able to do something to change the events around them, while a person with low self-efficacy considers themselves basically incapable of doing everything around them. In difficult situations, people with low self-efficacy tend to give up easily. While people with high self-efficacy will try harder to overcome the challenges that exist. This is also in line with what Gist expressed, who showed evidence that feelings of self-efficacy play an important role in motivating workers to complete challenging work in relation to achieving certain goals (Faadhilah 2020).

Referring to the various interpretations above, it can be concluded that self-efficacy is a person's belief or confidence in their ability to carry out tasks given to them, and to achieve goals and overcome obstacles to achieve a result in a particular situation (Heriyantho and Leon 2022). The characteristics of individuals who have high self-efficacy according to Bandura are: (1) individuals are confident in their ability to handle events and situations faced effectively, (2) are persistent in completing tasks, (3) believe in their own abilities, (4) view difficulties as challenges, (5) set their own goals to be achieved, (6) instill and increase strong efforts when facing obstacles, (7) focus on tasks and think of strategies to overcome difficulties, (8) can restore self-confidence quickly after experiencing failure, (9) are able to face obstacles with the belief that the individual is able to control them (Cahyadi 2022).

Students who have high self-efficacy will believe in their ability to complete tasks given by the teacher and try to overcome challenges, while students who have low self-efficacy consider themselves incapable of completing tasks and tend to give up in difficult situations (Faadhilah 2020). This is in accordance with the opinion of Schunk and Pajares that students with high self-efficacy are more likely to persist with efforts on learning tasks than students with low self-efficacy. Based on this, researchers believe that Self-Efficacy can have a positive relationship direction and significant influence on Student Learning Outcomes (Pertiwi 2021).

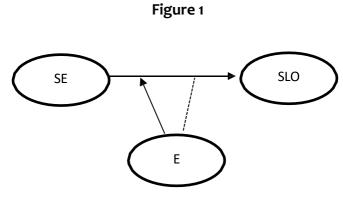
Several previous studies have shown (Revita 2019); (Pertiwi 2021); (NURLATIFAH RANGKUTI 2021); (Hartini 2023) & (Faadhilah 2020)showing a positive relationship

direction and significant influence on Student Learning Outcomes. Unlike the five

studies above, this article adds the Environment variable as a moderating variable.

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METHODS



Noted:

SE: Self-Eficacy

SLO: Student Learning Outcomes

E: Environment

Hypothesis:

H1: The Influence of Self-Eficacy on Student Learning Outcomes

H2: Environment Can Moderates The Influence of Self-Eficacy on Student Learning Outcomes

It is true that in the five studies (Revita 2019); (Pertiwi 2021); (NURLATIFAH RANGKUTI 2021); (Hartini 2023) & (Faadhilah 2020) showed that the results of the Self-Efficacy variable can have a positive relationship direction and a significant influence on Student Learning Outcomes (Lestari and Ghaby 2018). As evidence of the researcher's creativity, the researcher added the Environment variable as a moderating variable which is believed to be able to strengthen the influence of the Self-Efficacy variable on Student Learning Outcomes (Ahmad 2010). This research is a quantitative research with an explanatory approach. The data used in this study are primary data from interviews with 400 high school students spread throughout Indonesia. The interview consisted of 10 questions with three main teams around Self-Efficacy, Student Learning Outcomes, and School Environment (Jonathan Sarwono 2016). The interview content contained 5 statements, namely strongly agree, agree, normal/so-so, disagree, and strongly disagree. The data was analyzed using the smart PLS 4.0 analysis tool (Lexy J. Moleong 2014).

RESULT AND DISCUSSION

Background Analysis

In the learning process, students need self-efficacy. Self-efficacy is a belief in one's ability to do a task in order to achieve goals and overcome various obstacles

encountered. Self-efficacy is one's own perception of how well one can function in a particular situation (Winda Meidina and Netty Laura 2022). Self-efficacy is related to the belief that one has the ability to perform the expected action. According to Baron and Byrne, self-efficacy is defined as a person's evaluation of their ability or competence to perform a task, achieve goals, and overcome obstacles. According to Bandura and Wood, self-efficacy refers to the belief in an individual's ability to drive motivation, cognitive abilities, and actions needed to meet the demands of the situation. Self-efficacy is the belief that one can master a situation and produce positive results (Cahyadi 2022).

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that Self-Efficacy can have a positive relationship direction and significant influence on Student Learning Outcomes (Pertiwi 2021).

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Validity Test

To prove the assumptions and creativity of researchers quantitatively by using PLS 4.0 software requires several stages in sequence, namely the validity test stage, the reliability test stage, and the path coefficient stage. The following are the results of the validity test in this article (Sarstedt et al. 2014).

Table 1 Validity Test

Variable	Question Item	Loading Factor
	Self-efficacy can make	0.852
Self-Eficacy	students more confident	
(X1)	Self-efficacy can make	0.866
	students' targets easily	
	achieved	
	Self-efficacy can improve	0.859
	Student Learning	
	Outcomes	
	Self-efficacy can make	0.841
	students compete with	
	other students well	
Student Learning	Student Learning	0.898
Outcomes	Outcomes can be	
(Y)	influenced by Self-Efficacy	
	Student Learning	0.912
	Outcomes can be	
	influenced by students'	
	good competitiveness	
	Student Learning	0.925
	Outcomes can be	
	influenced by a good	
	physical environment	

	Student Learning	0.918
	Outcomes can be	
	influenced by a good non-	
	physical environment	
Environment	The environment can	0.952
(Z)	influence students' self-	
	efficacy	
	The environment can	0.941
	influence student learning	
	outcomes	

Valid > 0.70

Validity Test

According to the sequence explained after passing the reliability test stage, the next stage that can be done is the validity test stage. This stage aims to analyze each variable used in this article, namely the Self-Efficacy variable, student learning outcome variables, and environmental variables. The following are the results of the validity test in this article (Ghozali 2016).

Table 2Validity Test

Variable	Composite Reliability	Cronbach Alfa	
Self-Eficacy	0.882	0.841	
Student Learning	0.941	0.901	
Outcomes			
Environment	0.962	0.941	

Validity Test > 0.70

Path Coefisien

After passing the validity and reliability test stages, the next stage that can be passed is the Path Coefficient stage. This stage is the stage of proof of the hypotheses formulated by researchers in the research methodology section. The following are the results of the path coefficient in this stage (Sugiyono 2019).

Table 3Path Coefisien

	Variable	P-Values	Noted
Direct Influence	SE->SLO	0.023	Accepted
Indirect Influence	E*SE->SLO	0.000	Accepted

Significant Level < 0.05

The results of the third table of path coefficients above show that each hypothesis proposed by the researcher in the research methodology section can be accepted. In the first hypothesis section which is in line with the five previous studies,

namely (Revita 2019); (Pertiwi 2021); (NURLATIFAH RANGKUTI 2021); (Hartini 2023) & (Faadhilah 2020)shows similar results, namely the Self-Efficacy variable can have a positive relationship direction and a significant influence on Student Learning Outcomes because the P-Values are positive and below the significance level of 0.05, namely 0.023. This is because self-efficacy can create self-confidence or potential, competitive ability, and other things that can improve student learning outcomes. In the second hypothesis, as well as proof of the researcher's creativity in adding the Environment variable as a moderating variable, it also shows similar results, namely the Environment variable can moderate the influence of the Self-Efficacy variable on Student Learning Outcomes. This is because the P-Values value leads to the positivity and is below the significance level of 0.05, which is 0.000, which is more significant than direct testing of 0.023. Thus, the first and second hypotheses in this article can be accepted and proven.

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CONCLUSION

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