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The influence of school facilities and the work environment on teachers performance of elementary school

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ABSTRACT

This study aims to determine the effect of infrastructure and work environment together on the performance of public elementary school teachers in Gugus 3, Lengkiti District. In this study, using quantitative research methods and research design in the form of influence studies, namely to determine the effect of the three variables, namely the independent variable or free school infrastructure (X1), work environment (X2) and the dependent or dependent variable Teacher Performance (Y). The results of the study can be concluded as follows: 1) There is a significant influence between school infrastructure on the performance of teachers at SD Negeri Gugus 3, Lengkiti District, 2) There is a significant influence between the work environment on the performance of teachers at SD Negeri Gugus 3, Lengkiti District, 3) There is an influence between the school infrastructure and the environment together on the performance of teachers at SD Negeri Gugus 3, Lengkiti District.



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Introduction

In this era of globalization, it is very important to improve the quality of human resources which is absolutely necessary (Buckley et al., 2004; Earthman, 2002). Especially in the face of changes and developments that are increasing rapidly. Judging from the explanation above, it can be explained that the importance of quality Human Resources education, so that it can require the government to focus more on developing knowledgeable, creative and independent Human Resources (SABIQ, n.d.).

The same is the case with the explanation stated in Law no. 20 of 2003 Chapter II Article 3 which states that National Education functions in developing abilities and shaping the character and civilization of the nation, and aims to develop the potential and abilities of students to become human beings who believe and have devotion to God Almighty, have a noble character, are healthy, knowledgeable, competent, creative, independent and be a democratic and responsible citizen (Daryanto, 2013; Umar, 2016).

That the low quality of education causes the quality of human resources to be low, the higher the level of education, the higher the quality of human resources (Yusutria, 2017). Schools as educational institutions in which there are school principals, teachers, management staff, students and parents of students who have a role in the formation of Human Resources. Various methods and methods of learning carried out by the teacher to improve student abilities are shown aimed at the quality of the school where they work.

The learning strategy made by the teacher will be able to show optimal abilities in school success. The form of success in question is that it can be shown in the performance of a teacher. Which states that teacher performance is a condition that indicates a person's ability to carry out his duties at school and describes the activities carried out by the teacher in implementing learning (Supardi, 2013). That teacher performance in learning has a major factor in achieving educational goals, this is because teachers are the spearhead in the world of education, the high and low quality of teacher performance results in student achievement in school (Husaini, 2008; Mulyasa, 2004). The increase in teacher performance in learning is influenced by several factors, including: salary, infrastructure, physical work environment conditions, leadership.

Apart from some of the factors above, there is also another relationship in this study, namely the infrastructure which is a factor in improving teacher performance. Provision of good and complete infrastructure will support school activities in order to achieve optimal results. However, it is the case that there are still schools whose infrastructure is incomplete and some whose infrastructure is complete.

However, it is the utilization that is still not done by the teacher so that the teacher's performance is not optimal because there are still teachers using conventional media in the learning process. This was also strengthened by the results of previous interviews with teachers in several SD Negeri Gugus 3, Lengkiti District, one of which was SD Negeri 79 OKU through a representative for facilities and infrastructure.

From the interview, information was obtained that the school had inadequate or incomplete infrastructure so that its utilization was not optimal, the teacher made more use of textbooks as the main source of the learning process. From the results of the information obtained that the infrastructure advice in schools has begun to be complete, only the use of facilities and infrastructure, especially for learning activities has not been fully carried out, this is because the use of facilities, especially teaching aids, practical tools and media takes a lot of time, while the conditions of learning time are limited availability, so that teachers use more textbook facilities for teaching and learning activities (Megasari, 2020; Ridho & Afriansyah, 2019). Apart from facilities and infrastructure, there are other factors that also affect teacher performance, namely work environment factors. According to the productivity report of the International Labor Office (ILO) there is the first thing that must be done to improve teacher performance, this is to ensure that teachers can carry out their duties in a condition that meets the requirements (Supardi, 2013). Thus, teachers can carry out their duties without experiencing tensions or in other words the government must provide a good work environment for teachers (Merry et al., 2020; Romadhoni et al., 2015).

With a good work environment, it can create a conducive work relationship between the people in the work environment. He explains that to create a conducive work environment, at least two things are needed, including the teacher himself and a good relationship between teachers and parents and the community in the surrounding environment (Mulyasa, 2004). That supportive working conditions are needed which is a comfortable work environment to work. A good work environment will facilitate them to work better too (Husaini, 2008).

Workers will prefer physical conditions that are not dangerous or comfortable in their work environment. Besides that, most of them prefer a workplace that is relatively close to the location where the workers live. However, in the implementation it is often not as expected by the school, a bad work environment will affect individual teachers, so that the responsibility as an education provider is not optimal, starting from the work environment which concerns the physical condition of the school, for example the comfort of the work space and school infrastructure as well as a work environment that involves a psychological condition such as unpleasant feelings between teachers and leaders, this of course is thought to affect the performance of a teacher work. As for what distinguishes this researcher is the object of research, in this study the object is the teacher at SMK, while in this study the object is the teacher of SD Negeri Gugus 3, Lengkiti District. The difference is in the x2 variable used by the researcher, as well as the different populations or samples used. The equation is in the variables y, xa and the agency level that the researcher uses.

Which shows the results of the study that 1) infrastructure affects teacher performance; 2) the work environment affects teacher performance; 3) infrastructure and work environment jointly influence teacher performance. Where this research has the same title, but there are differences that are located in the population, research sample and research institutions carried out (Angrainy et al., 2020; Marliya et al., 2020)

Method

In this study, using quantitative research methods and research design in the form of influence studies, namely to determine the effect of the three variables, namely the independent variable or free school infrastructure (X1), work environment (X2) and the dependent or dependent variable Teacher Performance (Y).

The two independent variables, namely Infrastructure (X1) and Work Environment (X2), are associated with the dependent variable, namely teacher performance (Y) with the pattern of the relationship between the infrastructure X1 variable and teacher Y performance, then the relationship between the work environment variable X2 and the teacher's performance Y and jointly relationship means infrastructure X1 and work environment X2 with teacher performance variable Y.

The data collection technique here is aimed at obtaining a score that functions as the direction of the relationship between the level of education, infrastructure and work environment on the performance of teachers at SD Negeri Gugus 3, Lengkiti District. The techniques used to collect data consist of: Questionnaire, Observation, Documentation.

Results and Discussions

First Hypothesis

Based on the results of data acquisition, the correlation coefficient value is obtained, namely 0.161 from this value, indicating that the infrastructure facilities variable is very weak against the teacher performance variable. Whereas for the coefficient of determination / R squer obtained 0.026 or 2.6% and the obtained sig value is 0.185>0.05 means that H0 is accepted, which means that the value of 2.6% can affect teacher performance from the infrastructure and infrastructure variables and the rest is the influence of factors other.

Table 1 The linear constanta regensia equation

			Coefficientsa			
Model	del	Unstandardized Coefficients		Standardized	t	Sig.
				Coefficients		
		В	Std. Error	Beta		
1	(Constant)	130,861	11,861		11,033	,000
	Infrastructure	,113	,084	,161	1,338	,185

Based on the calculation, the linear constanta regensia equation is obtained is 130.861 and the coefficient value of the infrastructure and infrastructure variable is 0.113. From this acquisition, the following equation can be made, namely Y = 130.861 + 0.113X.

This means that the value of the variable x independent variable, namely the infrastructure variable with the acquisition value of 0.113, which if the value is 0-1 or close to 1 means that the variable shows that the higher the ability of the independent variable to explain the variance of the dependent variable Meanwhile, the t value in the lineier regensia table is 1.336 and the sig value. What you get is 0.185. For the t value <1.666, the t value does not meet the requirements. However, the sig value obtained is> 0.05, the sig value on the infrastructure and infrastructure variables states that there is no effect on teacher performance.

Second Hypothesis

Based on the results of data acquisition, the correlation coefficient value is 0.253 from this value, indicating that the work environment variable is weak against the teacher performance variable. Meanwhile, the coefficient of determination / R squer is 0.064 or 6.4%, which means that the value of 6.4% can affect teacher performance from work environment variables and the rest is the influence of other factors.

Table 2 the linear constant regression equation Coefficients^a Model **Unstandardized Coefficients** Standardized Sig. Coefficients В Std. Error Beta 92,100 .000 1 (Constant) 10.738 8.577 ,204 Work environment ,095 ,253 2,138 ,036

Based on the calculation, the linear constant regression equation is 92.100 and the coefficient value of the work **environment** variable is 0.204. From this acquisition, the following equation can be made, namely Y = 92.100 + 0.204X.

a. Dependent Variable: Teacher Performance

This means that the value of the variable x independent variable is the work environment variable with a value of 0.204, which means that if the value is 0-1 or close to 1, it means that the independent variable's ability to explain the variance of the dependent variable is higher. Meanwhile, the t value in the linear regensia table is 2.138 and the sig value. The result is 0.036. For the t value > 1.666, the t value meets the requirements or there is an influence of work environment variables on teacher performance. Whereas the sig value obtained is <0.05, the sig value on the infrastructure and infrastructure variables states that there is an influence on teacher performance.

Third Hypothesis

Based on data acquisition, it shows that in making decisions on the multiple correlation test, which is seen from the Sig F Change value of 0.045 < 0.05, the two variables of infrastructure and work environment can correlate or have a mutual influence on the teacher performance variable. And for the level of strength of the correlation between the two variables X to variable Y is moderate which can be seen in the correlation coefficient column (r) which is equal to 0.499.

Table 3 The constant value of the regression equation

			Coefficients ^a			
Model		Unstandardized Coefficients		Standardized	t	Sig.
				Coefficients		
		В	Std. Error	Beta		
1	(Constant)	107,920	15,734		6,859	,000
	Infrastructure	,112	,082	,161	1,368	,176
	Work environment	,203	,095	,252	2,148	,035

a. Dependent Variable: Teacher Performance

Based on the calculation, it is found that the constant value of the regression equation a is 107.920 and the coefficient **value** of the independent variable b1 is 0.112 and b2 is 0.203, then the regression equation is obtained as follows. Y = 107.920 + 0.112X1 + 0.203X2. This means that teacher performance has increased positively with school infrastructure and work environment. In addition, to find out the truth of hypothesis testing, simultaneous testing is carried out.

Influence of Infrastructure Facilities on Teacher Performance

The results showed that school infrastructure did not significantly influence the performance of teachers at SD Negeri Gugus 3 Kec. Lengkiti that is equal to 2.6%. The results show that the better the school infrastructure, the better the teacher's performance. This study also shows that the strength of the infrastructure value is very weak, which is 0.161 in the correlation coefficient.

To support this research, a comparison can be seen in the discussion of previous studies which shows that many theories state the factors that support teacher performance in learning, one of which is school infrastructure. With adequate infrastructure, teachers will be helped to carry out varied, interesting and meaningful learning activities. This is in line with the results of research (Fauziana, 2017) which states that there is a significant influence between school infrastructure and teacher performance by 25.4%. In addition to the above research there are also several other studies that show the acquisition of the same research results which state that there is a positive and significant effect of school infrastructure on teacher performance (Ananda & Banurea, 2017; Pramono, 2012).

Teachers who are equipped with adequate infrastructure will show good performance than teachers who are not equipped with adequate facilities and infrastructure. And in this study, it is emphasized that the infrastructure is needed in improving teacher performance (Fatmawati et al., 2019; Pratama, 2018). Because in this study it shows that the value of infrastructure in the place under study still does not really highlight the usefulness and benefits of school presara in improving the performance of teachers in each school. The results of the value acquisition can be seen in the research results section above or can be seen in the attachment sheet for the study

The Effect of Work Environment on Teacher Performance

Based on the results of hypothesis 2 testing, it is known that the work environment has a significant effect on teacher performance as shown by the results of the t test, the t value is 2.138> t table.

At a significant level of 0.05 with a dterminan coefficient of 0.064, it can be concluded that teacher performance is influenced by the work environment by 6.4%. The results of the study show that the work environment variable has an influence on teacher performance, it's just that the coefficient of correlation is still weak, so it needs special attention from both researchers. However, for the whole work environment variables

can be used to improve teacher performance. The weak value obtained was due to several factors that influenced the research. In addition, the lack of accuracy when processing data is also very influential, while the population itself has such a big role, where it can be seen that the population value used is a maximum of 100 populations, the value of the results obtained will also be greater.

Based on the results of research that has been compiled, it shows that the work environment has a positive influence on teacher performance. A good work environment will make teachers feel safe, comfortable, in carrying out teaching and learning activities so that teachers are better able to improve the quality of their learning (Ningsih, 2016; Novitasari et al., 2012; Sumarni & Tamsah, 2017). The work environment in schools describes the conditions of work both physical and non-physical which can affect teachers in carrying out their duties as teachers and educators. That there is a significant influence between the work environment and teacher performance based on partial regression analysis (Hartono, 2014), it is obtained Fcount> Ftable, 2.222> 2.002, so it is concluded that there is an influence of the work environment on teacher performance so that it can be accepted and tested. the truth.

The Effect of Infrastructure and Work Environment on Teacher Performance

From the results of the study found that school infrastructure and work environment together have a significant effect on the performance of teachers at SD Negeri Gugus 3 Kec. Lengkiti by 59%. From these findings it can be interpreted that school infrastructure facilities and the work environment together have a significant strength on teacher performance. Complete facilities and infrastructure will encourage and motivate teachers in carrying out teaching and learning activities so that teachers are better able to improve their abilities in processing learning activities. Likewise, if the creation of a positive work environment can improve the teacher's performance (Khoirunnisa & Thomas, 2015; Rasyid & Tanjung, 2020).

The significant value above the basis for taking multiple regression tests can also be seen from the value of Fcount> Ftable (3,250> 3,13), it can be concluded that Ha is accepted, so Ho is rejected, then the infrastructure and work environment have an influence on the performance of SD Negeri teachers. Gugus 3 Kec. Sticky. States that in his research that the infrastructure and work environment together have an influence on teacher performance (Hartono, 2014). States the same results, namely that there is a positive and significant influence or partially and simultaneously simultaneously from the goals of the school and work environment on teacher performance (Fauziana, 2017)

Conclusions

Based on the results of the research and discussion, it can be concluded as follows: 1) There is a significant influence between school infrastructure and the performance of teachers at SD Negeri Gugus 3, Lengkiti District, 2) There is a significant influence between the work environment on the performance of teachers at SD Negeri Gugus 3, Lengkiti District, 3) There is a significant influence between school infrastructure and the environment together on the performance of teachers at SD Negeri Gugus 3, Lengkiti District..

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