

The effect of Learning Facility, Attention of Parents, and Learning Motivation on Student Achievement at State Senior High School 2
Kampar District

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Abstract

This study aims to determine the effect of learning facilities, parental attention, and motivation to learn student achievement. This type of research is quantitative research. This research was conducted in SMA Negeri 2 Kampar. The population of this study were students of SMA Negeri 2 Kampar, while the sample of 106 students. Data were collected with questionnaires and documentation instruments. Data analysis technique used is path analysis. The results of this study indicate that learning facilities have a significant effect on students' learning motivation. Attention parents significantly influence the motivation of student learning. Learning facilities have a significant effect on student achievement. Attention parents significantly influence on student achievement. Learning motivation has a significant effect on student achievement. Learning facilities significantly influence the attention of parents. Learning facilities have a significant effect on learning achievement through student learning motivation. Attention parents significantly influence on learning achievement through student learning motivation

Keywords: Learning Facilities, parental attention, motivation, learning achievement

Introduction

Education is an effort to foster and shape personal students to caution SWT gods, loving parents and others, water as a gift given by Allah SWT. Education is inseparable from teachers and students. Education lasts a lifetime in every moment as long as there is environmental influence. The success of students in education can be shown from the value of student achievement in school. With good learning students will achieve optimal learning achievement.

Factors that influence the success of learning are divided into two, namely internal factors and external factors. Internal factors are factors that come from within the individual itself. Internal factors consist of biological factors and psychological factors. While external factors is a factor that comes from within the individual. External factors include family environmental factors (parents' attention), school environment (complete learning facilities) and environmental factors of society.

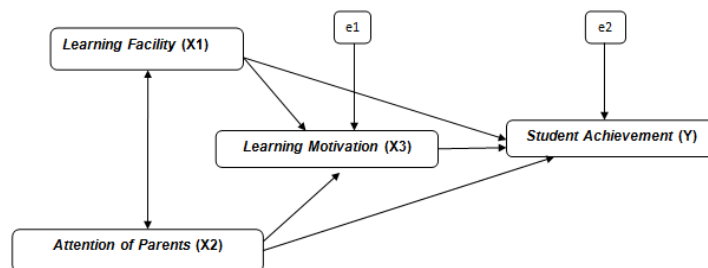
Student achievement can be seen from the completeness of student learning facilities in school. To be able to achieve maximum learning achievement required a complete learning facilities. Complete learning facilities will in essence facilitate, accelerate, and deepen the understanding of students in the learning process. Improving student achievement also requires attention and support from parents. Family is the first and foremost environment in determining the development of one's education, and is certainly the first and foremost factor in determining one's learning success.

One attempt to encourage students to improve achievement in learning in school is by providing high learning motivation to students. A teacher should be able to provide high motivation in learning, because students must have a high motivation in learning so that students can improve learning achievement in school. Motivation can be regarded as the main factor determining the success of one's learning.

Based on preliminary observation, the data obtained student achievement in SMA Negeri 2 Kampar has not seen optimal results, because there are several factors that influence it. Yaitu learning facilities are not sufficient consequently the process of teaching and learning to be hampered so that not have maximum impact on improving student achievement. Attention parents who are still lacking, and student motivation is still low, low learning motivation is proofed by some students who seem less active in learning activities. Based on the above background then the author would like to research The effect of Learning Facility, Attention of Parents, and Learning Motivation on Student Achievement at State Senior High School 2 Kampar Kampar District

Framework

To be more clear about learning facilities, parents' attention and motivation to learn affect student achievement can be seen in Figure 1.



Images. 1: Skeletal framework of influence of learning facilities, parental attention, learning motivation on student achievement.

Hypothesis

Based on the study of theory and description that has been presented, the writer tries to formulate a hypothesis that is as follows :

1. Learning facilities have a positive influence on student learning motivation in SMA Negeri 2 Kampar
2. Parental attention has a positive influence on motivation to study students in SMA Negeri 2 Kampar
3. Student learning facilities have a positive influence on student achievement in SMA Negeri 2 Kampar
4. Attention parents have a positive influence on student achievement in SMA Negeri 2 Kampar Learning
5. motivation has Positive influence on student achievement in SMA Negeri 2 Kampar
6. Learning facilities have a positive influence on parents' attention in SMA Negeri 2 Kampar

7. Learning facilities have a positive influence on learning achievement through student learning motivation in SMA Negeri 2 Kampar
8. Attention parents have a positive influence on learning achievement through motivation studying students in SMA Negeri 2 Kampar.

Research Method

This study was conducted on 08 January 2018. The location of this research is located at State Senior High School 2 Kampar. The subjects of this study were students of Senior High School 2 Kampar. The population in this study were students of SMA Negeri 2 Kampar. Where as Sample is part of the population that represents the characteristics of the population. Sampling technique used by the author is to use Stratified Random Sampling. The number of samples in this study is 106 students. To obtain the overall data in support of this research, the authors use data collection techniques of questionnaires and documentation.

Data analysis techniques in this research is path analysis (Path Analysis). Path analysis is used to analyze patterns of relationships among variables. Analysis of this path aims to determine the direct or indirect influence of independent variables on the dependent variable.

Results And Discussion

This research data is presented using frequency and percentage distribution. In this discussion will be presented descriptive profile of respondents. The number of samples in this study was 106 respondents in SMA Negeri 2 Kampar. The data presented below are based on the results of research conducted at SMA Negeri 2 Kampar Kampar Subdistrict about learning facilities, parental attention, and motivation learn on student achievement.

Results of Descriptive Analysis of Learning Facilities

Data obtained by questionnaire given to students of SMA Negeri 2 Kampar with 106 students. There are 18 items statement about learning facilities with a scale of 1 to 5. Skor highest is 90 and the lowest score is 18. Based on Table 4.2 above can be seen that the learning facilities of 106 respondents who category is very adequate amounted to 40 students (37.74%), adequate category amounted to 54 students (50.94%), enough category of 11 students (10.38%), the category of less than 1 (0.94%) and inadequate category amounted to 0 (0.00%). Thus it can be dismpulkan that in general, student learning facilities in SMA Negeri 2 Kampar Adequate category.

Results Analysis Descriptive Attention Parents

Data obtained by questionnaire given to students of SMA Negeri 2 Kampar with 106 students respondents. There are 21 items statement concerning parents with scale 1 to 5. Score highest is 105 and lowest score is 21. Based on Table 4.3 above can be seen that the attention of parents from 106 respondents who category very often amounted to 31 students (29.25%), category there are often 59 students (55.66%), hesitant categories are 16 students (15.09%), less frequent category 0

(0.00%) and not frequent category 0 (0.00%). Thus it can be concluded that generally the attention of parents in SMA Negeri 2 Kampar categorized often.

Results of Descriptive Analysis of Motivation Learning

Data obtained by questionnaire given to students of SMA Negeri 2 Kampar with 106 students respondents. There are 18 items statement about the motivation to learn with a scale of 1 to 5. Skor highest is 90 and the lowest score is 18. Based on Table 4.4 above can be seen that the student's learning motivation from 106, of respondents with very high category were 42 students (39.62%), high category was 50 students (47.17%), enough category was 13 students (12.26%), category less 1 (0.94%) and very low category 0 (0.00%). Thus it can be concluded that in general the motivation of studying students in SMA Negeri 2 Kampar is categorized high.

Test Requirements

Analysis Normality

Test The instrumentality normality test is calculated using the One Sample Kolmogorov-Smirnov test using a significant level of 0.05

Table. 4.6 Test Result Normality

	Tests of Normality					
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Learning Facility	.062	106	.200	.982	106	.148
Attention of Parents	.063	106	.200	.981	106	.130
Learning Motivation	.078	106	.126	.979	106	.089

*. This is a lower bound of the true significance.

From result of Kolmogorov-Smirnov test known value of learning facility significance $0.200 > 0.05$, significance value of parent $0.200 > 0.05$, significance of learning motivation $0.126 > 0.05$. then the variables used in this study meet the assumption of normality, so that data can be used for the next analysis.

Linearity Test

Linearity test aims to determine whether the variable has a linear relationship or not significantly.

Table 4.7 Results Linearity Testing

ANOVA Table			
	Variabel	Sig.	Status
Deviation from Linearity	Learning Facility	0.828	Linier
	Attention of Parents	0.367	Linier
	Learning Motivation	0.877	Linier

Source: Processed Data (Appendix 9)

Table 4.7 above shows the Sig value. learning facilities $0.828 > 0.05$ then the learning facility variables have a linear relationship with learning achievement. Sig value. attention of parents $0.367 > 0.05$ then the variable

attention of parents have a linear relationship with learning achievement. Sig value. learning motivation $0.877 > 0.05$ then the variable of learning motivation has a linear relationship with learning achievement.

Multicollinearity Test

The multicollinearity test is used to determine whether there is a classical multicollinearity assumption deviation, ie the linear relationship between independent variables in the regression model

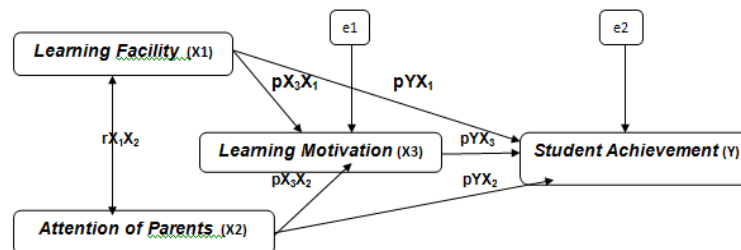
Table 4.8: Multicollinearity Test Results

Variable	Collinearity Statistics		Status
	Tolerance	VIF	
X1 – Y	0.810	1.235	Bebas Multikolinieritas
X2 – Y	0.706	1.417	Bebas Multikolinieritas
X3 – Y	0.657	1.523	Bebas Multikolinieritas

Based on Table 4.6 above shows no independent variable has Tolerance value less than 0.10 which means there is no correlation between variables. The result of calculating VIF value also shows the same thing there is no independent variable that has VIF value more than 10. It can be concluded that the regression model is free from multicollinearity.

Path Analysis

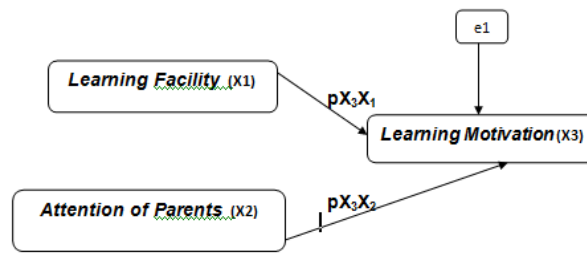
The path diagram is arranged based on the framework of thinking developed from the theory used for research. The following will show the path diagram form in this study:



Based on Figure 4.1 above shows a direct and indirect relationship between variables. In the path analysis can be proven whether the paths are hypothesized have a direct or indirect relationship. Therefore, there will be 2 structure of path analysis ie structure analysis I and structure analysis II

Analysis of Structure Path 1

Next will be presented diagram of structure path 1 as follows:



In the first path analysis (sub-structure 1), the relationship between learning facility variables (X1) and parental attention (X2) to learning motivation variable (X3) with equation as follows: $X3 = pX3X1X1 + pX3X2X2 + \epsilon1$

The Effect of learning facilities, and parents' attention to simultaneous learning motivation

The results of the analysis were conducted using SPSS. To know the effect of learning facility and parent attention to simultaneous learning motivation can be seen from the following table:

Table 4.9 Coefficient Analysis of Structural Path 1 Simultaneously

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.586 ^a	.343	.330	8.183

a. Predictors: (Constant), Parent Attention, Learning Facilities

From Table 4.7 the value of R Square (r^2) is 0.343. Then calculated the coefficient of determination (KD) using the formula:

$$\begin{aligned}
 KD &= r^2 \times 100 \% \\
 KD &= 0.343 \times 100 \% \\
 KD &= 34,3
 \end{aligned}$$

Based on the results of coefficient of determination (KD) can be seen that the influence of learning facilities, and parents' attention to motivation to learn simultaneously is 34.3%. and then calculated the residual coefficient as follows:

$$\begin{aligned}
 \epsilon &= \sqrt{1 - R^2} \\
 &= \sqrt{1 - (0.586)^2} \\
 &= \sqrt{1 - 0.343} \\
 &= \sqrt{0.657} \\
 &= 0.810
 \end{aligned}$$

Based on the calculation can be obtained 0810 calculation of residual / error. Furthermore, Hypothesis Testing can be seen from the following table:

Table 4.10 Hypothesis Test Analysis of Structural Path 1

ANOVA ^b						
Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	3603.869	2	1801.934	26.913	.000 ^a
	Residual	6896.237	103	66.954		
	Total	10500.105	105			

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- a. Predictors: (Constant), Parent Attention, Learning Facilities
- b. Dependent Variable: Motivation to learn

Tabulated Table 4.8 above note that the calculation of the significance of 0.000 then H0 is rejected and Ha accepted. That is, there is the influence of learning facilities and attention of parents to motivation to learn

The Effect of learning facility, and parent's attention to partial learning motivation

The amount of influence of learning facility variable and parent's attention to learning motivation partially done by t test.

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	14.618	4.955		2.950	.004
	Learning Facility	.269	.085	.269	3.181	.002
	Attention of Parents	.438	.085	.438	5.174	.000

a. Dependent Variable: **learning motivation**

Based on the calculation of learning facilities obtained t-count figures of 3.181 > t-table of 1.98, so H0 rejected and Ha accepted. That is, there is the influence of learning facilities on learning motivation. The magnitude of the influence of learning facilities on learning motivation of 0.269.

Next the calculation of parental attention obtained t-count number of 5.174 > t-table of 1.98, so H0 rejected and Ha accepted. That is, there is influence of parents attention to motivation learn. The magnitude of influence of parents attention to learning motivation of 0.438.

Correlation Analysis

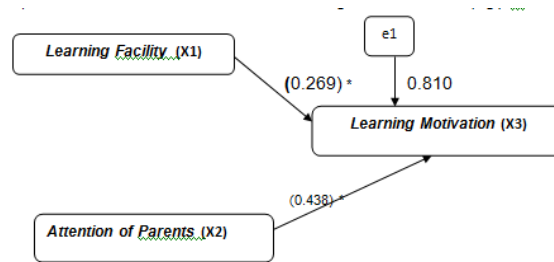
Table 4.12 Correlation Analysis

Correlations

		Fasilitas belajar	Perhatian Orang Tua
Learning Facility	Pearson Correlation	1	.333**
	Sig. (2-tailed)		.000
	N	106	106
Attention of Parents	Pearson Correlation	.333**	1
	Sig. (2-tailed)	.000	
	N	106	106

** . Correlation is significant at the 0.01 level (2-tailed).

Based on the calculation obtained correlation rate between learning facility variables and parental attention amounted to 0.333 with a significance number (sig.) Of 0.000 < 0.05



Discussion

The Effect of Learning Facilities on Student Motivation in High School 2 Kampar

Based on the data analysis and hypothesis testing that has been done in this research, the results show that there is a significant influence between learning facilities on learning motivation in public high school 2 kampar. The great influence is 0.269.

The result of this research is strengthened in the opinion of Melizubaidah Mahmud about identification of factors influencing student's learning motivation in the course of syllenography in the study program of economic education of the faculty of economic and business office of Gorontalo State University based on the result of the research, it is obtained that the factors influencing the learning motivation students are the availability of books and hendout and other supporting facilities. Therefore, it can be concluded that learning facilities have an influence on students' learning motivation. Therefore it is expected to the school can provide with complete student learning facilities so that students are motivated in learning.

The Effect of Parents Attention to Student Motivation in Secondary School 2 Kampar

Based on the data analysis and hypothesis testing that has been done in this research, the results show that there is a significant influence between the attention of parents to the motivation of learning in high school over the land of 2 kampar. The great influence is 0.438. The results of this study are strengthened in the opinion of Yeni Nuraeni Endang Supraptiningsih on the relationship between parental support and motivation to learn in students of class VIII Misbahunnur Cimahi.

From these results prove that the aspect of parental support has the most correlation correlation with student learning motivation class VIII Misbahunnur Cimahi City. Parental concern is needed by the child. Therefore, parents should give encouragement and motivation to children and try to meet all the needs of children in learning and avoid the attitude that makes children discouraged in learning. The role of parents in giving attention to children is very important, because parents as a family is an informal educational institution that is responsible for the education of children so that children are motivated in learning.

The Effect of Learning Facility on Student's Achievement in Senior High School 2 Kampar

Based on the data analysis and hypothesis testing that has been done in this research, the result shows that there is a significant influence between the learning facility on the learning achievement in the public high school 2 kampar. The major effect is 0.628. The results of this study are reinforced in the opinion of Andhita Windy Priastuti, Slamet HW on the support of facilities and family environment on mathematics

Learning achievement in junior high school, based on the results of this study obtained the result that learning facilities and student family environment are equally positive influence on mathematics learning achievement . Based on the conclusion that the learning facilities and family environment have an effect on together to the achievement of student learning mathematics of VIII grade of SMP Negeri 3 Tasikmadu, that is the better study facility and the better the family environment, the better the mathematics learning achievement. Learning facilities are very important and influential on learning achievement, therefore the school should help provide adequate learning facilities for children's learning achievement can increase.

The Effect of Parents Attention to Student's Achievement in Senior High School 2 Kampar

Based on the data analysis and hypothesis testing that has been done in this research, the results show that there is a significant influence between the attention of parents to the achievement of learning in high school over the land of 2 kampar.

The result of this research is reinforced in opinion by budiyono (2012) about influence of parent's attention to student's learning achievement (fourth grade case study MI Miftahul Falah Gayam Village Kadirejo Village Pabelan Sub-district Semarang Regency Year Lesson 2011/2012).

From these results prove that the influence of parents' attention on student achievement grade IV MI Miftahul Falah Gayam Village Kadirejo Village Pabelan Sub-district Semarang Regency Year 2011/2012. It can be seen that the attention of parents can give effect to the achievement of learning students. Parents' attention can have an impact on children's learning achievement in school. Therefore, parents should pay attention to the learning process of children both at school and home.

The Effect of Learning Motivation on Student Achievement in High School Secondary Country 2 Kampar

Based on data analysis and hypothesis testing which has been done in this research, the result shows that there is a significant influence between learning motivation on the achievement of study in public high school 2 kampar. The big influence is 0.228. The results of this study are reinforced in the opinion of Suranto (2015) on the influence of motivation, environmental atmosphere and learning infrastructure for students' learning achievement (Case Study of SMA SMA Putri SMA Diponegoro Surakarta) based on the results of the research can

be known that there is influence simultaneously between the variables of learning motivation, the atmosphere of the learning environment and the means of learning infrastructure for learning achievement.

The Effect of Learning Facility on Parents Attention at State Senior High School 2 Kampar

Based on the data analysis and hypothesis testing that has been done in this research, the results show that there is a significant influence between study facilities to the attention of parents in high school country 2 kampar. The greatest influence is 0.333. According to Slameto (2013: 61) argues that: Parents who have little or no regard for their children's education, for example they are indifferent to their children's learning, have not paid any attention to their interests and needs, the needs of his child in learning, not managing his study time, not providing or completing his learning tools or learning facilities, not paying attention to whether the child learns or not, does not want to know how the child's learning progress, difficulties experienced in learning and others, children are less or not successful in learning.

Effect of Learning Facility on Learning Achievement through Student Learning Motivation in Secondary School 2 Kampar

Based on data analysis and hypothesis testing which have been done in this research, hence obtained result show that there is influence of learning facility to learning achievement through motivation learn at SMA Negeri 2 Kampar.

This is because One of the requirements to be able to learn the best is the availability of space or place of learning, this is used by students to conduct teaching and learning activities. Room or place of learning is adequate and comfortable for learning then students will be motivated in learning so get a good learning achievement. A student who has been motivated to learn, will try to study well and diligently, in the hope of getting good learning outcomes. Therefore, the school must provide with complete learning facilities dibutuhkan by students, so that students are motivated in learning so that student achievement can increase.

Influence of Parents Attention to Learning Achievement through Student Motivation in Secondary School 2 Kampar

Based on data analysis and hypothesis testing which have been done in this research, hence obtained result show that there is influence of parents attention to learning achievement through motivation studying in SMA Negeri 2 Kampar.

This is because Parents play an important role in helping children in improving learning achievement. Parents are the first teachers for children because the first time educating and educating children is parents. Parents' attention in the case of children's education is very necessary and play a role in determining the achievement of learning achievement. Therefore, parents should give encouragement and motivation to children so that children are always active in learning so as to obtain high learning achievement

Conclusion

Based on the results of research and discussion, then the conclusion of this study are:

- a. Learning facilities have a significant effect on student learning motivation. Schools that have complete learning facilities will help in improving students' learning motivation. Because learning facilities have an effect on student learning motivation. Therefore it is expected to the school can provide with complete learning facilities for students to be motivated in learning.
- b. Parents' attention has a significant effect on students' learning motivation. The role of parents in giving attention to children is very important, because parents as a family is an informal educational institution that is responsible for the education of children so that children are motivated in learning. Therefore, parents should always pay attention to the child so that anaknya motivated in learning Learning facilities have a significant effect on student achievement. Increasingly
- c. complete learning facilities of students then the student's learning achievement is increasing. Learning facilities are very important and affect the learning achievement, therefore it is expected to the school can provide with complete learning facilities for students to have high learning achievement.
- d. Parents' attention has a significant effect on student achievement. Parents are the first teachers for children because the first time educating and educating children is parents. Parents' attention can have an impact on children's learning achievement in school. Therefore, parents should pay attention to the learning process of children both at school and home so that children can improve learning achievement. Learning motivation has a significant effect on student achievement. A student who has been motivated to learn, will try to study well and diligently, in the hope of obtaining a good learning achievement. Therefore, learning motivation should always be improved in order to obtain high learning achievement.
- e. Learning facilities significantly influence the attention of parents. With the complete learning facilities at school, the parents will be motivated and give attention to their children to go to school in a school that has complete learning facilities
- f. Learning facilities significantly influence the attention of parents. With the complete learning facilities at school, the parents will be motivated and give attention to their children to go to school in a school that has complete learning facilities.
- g. Learning facilities have a significant effect on learning achievement through student learning motivation. One of the requirements to be able to learn the best is the availability of space or place of learning. If the space or place of learning is adequate and comfortable for learning then students will be motivated in learning so as to gain high learning achievement. Therefore, the school must provide with complete learning facilities dibutuhkan by students, so that students are motivated in learning so that student learning achievement can increase.

- h. Parents attention significantly influence the achievement of learning through student learning motivation. Parents play an important role in helping children in improving learning achievement. Parents are the first teachers for children because the first time educating and educating children is parents. Therefore, parents should give encouragement and motivation to children so that children are always active in learning so as to obtain high learning achievement.

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