# The Influence of Teacher's Pedagogic Competence on Learning Motivation of Student of Office Administration Expertise Package

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*Abstract*- **This study aims to determine, the influence of teacher's pedagogic competence on student learning motivation. This study was a quantitative research that shows a causal relationship. The sample of this research are 64 students. The data collection techniques used were observation, questionnaires and documentation. The data analysis techniques used were descriptive statistics analysis by using percentage, mean, and standard deviation and meanwhile for inferential statistics analysis by using normality test, simple linear regression analysis, and product-moment correlation analysis. The results showed that the teacher's pedagogic competence is in a very good category, this can be seen from the result of linear regression analysis. While the results of product moment correlation analysis obtained by 0.796 with a strong correlation level and can be stated that there is a significant correlation of Teacher's Pedagogic Competence with Student Motivation. It can be seen from the increase of student learning motivation in the learning process, learning motivation is obviously needed by a student to always be eager in terms of teaching and learning process.**

*Keywords- teacher's pedagogic competence, student learning motivation*

## I.    INTRODUCTION

Every individual has an internal condition that plays an important role in daily activities, one of the internal conditions is motivation or encouragement. Motivation can come from within a person and can also grow because of the influence of others. There are various types of motivation such as the motivation to learn. The student's motivation to learn is expected to make the students motivated to get the achievement [1]–[7]. This learning motivation is usually influenced by various things such as learning methods, instructional media, teaching techniques, and teacher's teaching competence.

One of the main factors that determine the quality of an education is the teacher. Teacher is someone who is at the forefront in improving the quality of human resources. It can be said that without a teacher, the world would end [6]. Teacher will produce quality students, both in terms of their cognitive, affective and physicomotor. Therefore, a qualified teacher is needed so that the future generations can face all the future challenges. Teachers are expected to have the qualifications and competence in performing their duties.

Teachers are required to have academic qualifications, competencies, educator certificates, physical and spiritual health and have the ability to realize the goals of national education [8]. So, in order to improve the education quality, there are four competencies that a teacher should have to achive their professional duties, they are pedagogic competence, personality competence, social competence, and professional competence.

The main task of a teacher is to teach and educate students in and outside the classroom. Teachers are always dealing with students who need the knowledge, skills and attitudes to face their future lives. Teachers need to understand students' progress and how they affect each other.

Learning can lead the development of students towards a more positive way. Teacher's duty is not only to teach about good and bad, beautiful and not beautiful, right and wrong, but to try to make the students able to apply their knowledge in the middle of family and society. Pedagogic competence is the ability to manage students' learning that includes the understanding of students, designing and implementing learning, evaluation of learning outcomes, and logging learners to actualize the various potentials they have [9].

The quality of teacher's pedagogic competence can be seen from the learning motivation shown by the students in following the learning process [10]. This motivation can be measured by seeing the enthusiasm of students in following the lesson, paying attention to the lesson, and doing their task on time. Each student has the capacity to succeed in school and in life. The teacher's job is to create a teaching process that gives hope rather than fear. The process of teaching and learning is closely related to the success of a teacher in fostering student learning motivation. Based on preliminary observation on September 26th, 2016 conducted by researcher on Office Administration Expertise Package of SMK Negeri 1 Bungoro, the enthusiasm shown by student in

following lesson is still lacking, this is proved by there are some students who still often do not follow their lesson without permission, and there are also some students who do not do their task just in time. Therefore, the researchers are interested to examine the influence of teacher's pedagogic competence to student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District Learning Motivation.

## II. METHOD

This study used an associative research type, which shows a causal relationship, this study used a quantitative methods with the type of regression research that is intended to determine whether there is an Influence of Teachers's Pedagogic Competence to Student of Office Administration Expertise Package SMK Negeri 1 Bungoro Pangkep District Learning Motivation. The population is student of Office Administration Expertise Package SMK Negeri 1 Bungoro Pangkep District amounted to 424 students. Based on the opinion above, in this study, [11] suggests that the sample is a partial or representative of the population being studied and in sampling, the research usually has determined the better samples taken for just that. Then, if the subject is less than 100, it is better to take them all so that the study is a population study. Then, more than 100 can be taken between 10% -15% or 20% -25% or more. So, researchers took 15% of the total population of 424 students and obtained 63.6 that rounded to 64, so the number of students who become samples is 64 people.

## III. RESULTS

To determine the influence of teacher's pedagogic competence on student learning motivation, we used questionnaire instrument as data collection technique for X variable as teacher's pedagogic competence variable and questionnaire value for variable Y as student learning motivation. Furthermore, in hypothesis testing, the quantitative test is done by using statistical formula and computer software with standard statistical solution (SPSS) program which is considered relevant for data analysis aimed to know how much does the influence of teacher's pedagogic competence to student's of office administration expertise package SMK Negeri 1 Bungoro Pangkep District learning motivation, as has been stated previously in the results of the calculation below.

In conducting the next data analysis test, the first thing to do is to tested the normality of data as a condition used in testing the hypothesis. The data normality test is intended to know the normality of data about pedagogic competence of teachers and student motivation in the Office Administration Expertise Package SMK Negeri 1 Bungoro Pangkep District.

The test criteria that has been used is to compare the value of Chi Squares. Calculate it with the Chi Square table. Provisions for Chi Square count is smaller with Chi Square table ( $x^2{}_h \leq x^2{}_t$) then, the next data is declared to be normal distributed, if it happened otherwise. Then the data is said to be not normal. The results of normality can be seen in Table 1.

Table 1.
The Results of Data Normality Testing with Sig. 5%

| Variabel | $x^2$hitung | $x^2$tabel | Dk | Ket. |
|---|---|---|---|---|
| Teacher's Pedagogic Competence | 19.250 | 35.172 | 23 | Normal |
| Student Learning Motivation | 23.281 | 28.869 | 18 | Normal |

Sources: *Statistical Analysis Results Through SPSS Program*

Based on the analysis of normality test data in table 1, it shows that teacher's pedagogic competence variable (X) is stated normal distributed because it has fulfilled the requirement of value x ^ 2 h (19.250) smaller ($\leq$) than x ^ 2 t with dk 23 equal to 35.172. Similarly, the variable of student's learning motivation (Y) is normally distributed because it has fulfilled the requirement of value x ^ 2 h (23.281) smaller ($\leq$) than x ^ 2 t with dk 18 equal to 28.869.

### A. Simple Linear Regression Analysis

The purpose of simple linear regression analysis is to test the hypothesis of this research, which is "As suspected there is a significant influence between teacher's pedagogic competence to student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District Learning Motivation". For more details, it can be seen in table 2.

Table 2.
The conclusion of Simple Linear Regression Analysis result

| Variable | B | $F_{hitung}$ | Sig | $T_{hitung}$ | Sig. |
|---|---|---|---|---|---|
| Constants | 26.271 | 107.082 | 0.00 | 4.133 | 0.00 |
| Teacher's Pedagogic Competence | 0.758 | | | 10.348 | 0.00 |

Sources: *Statistical Analysis Results Through SPSS Program*

Based on simple linear regression analysis in table 1, the regression equation analysis was obtained for α = 26.271 and β = 758. So the regression equation produced is: Ŷ = 26.271 + 0.758 X. With the constant of 26.271 stated that if there is no teacher's pedagogic competence, then student learning motivation amounted to 26.271. The regression coefficient of 0.758 states that the increase of teacher's pedagogic competence will increase the motivation to learn by 0.758. Vice versa, if the teacher's pedagogic competence decreased, then the learning motivation of students decreased by 0.758. So the sign (+) denotes the direction of the direct relationship, while the sign (-) shows the direction of the inverse relationship between the variable (X) and the variable (Y).

The result of F-Test analysis through SPSS obtained $F_{value}$ equal to 107.082 and $F_{table}$ (0.05: 1: 62) equal to 4.00 which means $F_{value}$ is bigger than $F_{table}$, because $F_{value} > F_{table}$ then Ho is rejected and Ha accepted. Thus, the direct result of data processing in this study with the hypothesis is that "it is suspected that there is influence of teacher's pedagogic competence to student of office administration expertise

package SMK Negeri 1 Bungoro Pangkep District learning motivation" otherwise is acceptable.

*B. Product-Moment Correlation Analysis*

Product-moment correlation test is intended to determine whether there is a correlation between teacher's pedagogic competence on student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District learning motivation. The results of Product moment analysis can be seen in Table 3.

Table 3.
The Results of Product-Moment Testing with Sig. 5%

**Model Summary**

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | R Square Change | F Change | df1 | df2 | Sig. F Change |
| 1 | .796ᵃ | .633 | .627 | 5.687 | .633 | 107.0 | 1 | 62 | .00 |

a. Predictors: (Constant), Teacher's Pedagogic Competence

Sources: *Statistical Analysis Results Through SPSS Program*

Based on the result of correlation analysis of product moment, we obtained $r_{value}$ equal to 0.796 which then consulted with guidance of interpretation that can be seen in table 3 (interpretation of r value in chapter III), so it is said that in correlation coefficient 0.796 is at interval 0.60-0.799 with the strong level relationship. Furthermore, to test a significant relationship ie whether any of the relationships found were applicable to the entire population, then it needs to be tested significantly. Whether the correlation of the results is significant or not, then we compared $r_{value}$ with a $r_{table}$ with a significant level of 5 percent and respondents (N) = 64, then we obtained $r_{table}$ of 0.244..

Based on the result of product-moment correlation test, it is stated that there is a significant correlation between teacher's pedagogic competence to student learning motivation, because $r_{value}$ (0.796) is bigger than $r_{table}$ (0.244) so Ho is rejected and Ha accepted and also, we knew the determinant coefficient of $r2 = 0.633$ or 63.3 percent, it means that the motivation of student to learn is determined by the teacher's pedagogic competence. Meanwhile, the remaining amount of 36.7 percent is determined by some factors outside of the teacher's pedagogic competence who have not been studied.

IV. DISCUSSION

Based on the analysis results, it can be seen that the product-moment correlation showed rvalue (0.796) is larger than rtable (0.244). So, the results showed that there is a significant influence of teacher's pedagogical competence on student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District learning motivation. This means, the proposed hypothesis which is "As suspected there

is a significant influence between teacher's pedagogic competence to student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District Learning Motivation". , otherwise accepted with a strong level of influence.

A teacher with a variety of potentials is a much-needed resource in education world. The success of a nation's development is determined by the quality of the nation's education, and the quality of education is determined by an educator, which in this case is a teacher, because with all the new innovations given by a teacher in education, it can provide new colors in the learning process that will foster interest and motivation for students to learn. Teachers with pedagogic competencies, especially in the package of office administration expertise can become an example for their students because a teacher is not only supposed to give lessons but also expected to become a role model in terms of attitude, behavior and deeds.

Teacher's pedagogic competence in the package of administration expertise SMK Negeri 1 Bungoro Pangkep District, has been running very well and very influential in improving motivation for student to learn on the package of administrative expertise SMK Negeri 1 Bungoro Pangkep District. In the learning process, learning motivation is needed by a student so that they are always be eager in terms of teaching and learning process, therefore a teacher must carefully prepare what they will be taught in class. Whether or not the motivation of student to learn, one of the determining factors is the application of teacher's pedagogic competence. If the attention and attitudes of teachers to students is very high, it will be able to give a positive impact on improving students' motivation to learn, but will happen otherwise if the attention and attitudes of teachers toward students is less [12].

V. CONCLUSION

Teacher's pedagogic competence with student's learning motivation In SMK Negeri 1 Bungoro Pangkep District has a significance value of 0.00 <0.05 which means that there is a significant correlation. With the value of R squere 0.633 or the effect is 63.3 percent. The hypothesis is proved by the significant influence of teacher's pedagogic competence on student learning motivation based on ANOVA table which is obtained that $F_{value}$ (107.082) > $F_{table}$ (4.00), then Ho is rejected and Ha accepted which means that there is a strong influence of teacher's pedagogic competence on student of office administration expertise package SMK Negeri 1 Bungoro Pangkep District learning motivation. This is because the teacher's pedagogic competence were able to improve student's motivation to learn, it is needed by a student so they are always be eager in terms of teaching and learning process.

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