

The Influence of Teachers Creativity in Developing Teaching Method

Heryanto

Theological Department
 Saint Paul Theological School of Medan
 Medan, Indonesia
 ps.heryanto@gmail.com

Abstract— The objective of this research is to find out the indicator of teacher's creativity which is useful in developing teaching method supported by innovation desire. To realize this objective, then the research is done by using Structural Equation Model (SEM) method, in which the result of the research process is found that the creativity of teacher was related to the ability to predicts of teacher and analyzes the advance of time. It was proven that the passion to innovate influenced strongly the ability of developing teaching method. On the contrary, being open to new experiences had a weak influence to teachers' ability in developing the teaching and learning method. The conclusion of this research suggest that teachers' ability in developing teaching and learning method was weak due to the situation where teachers were not connected to new experiences coming from the progress and development of an era. This conclusion encourage teacher to innovate actively, so teacher will have new experiences which creates new useful ideas in developing teaching method contextually with certain quality

Keywords—creativity of teacher; teaching method

I. INTRODUCTION

Remind the progress of this age is a dynamic and instant era so that it has very complex life problems and challenges that must be faced by all people including students, therefore, every person, especially teachers, they should no longer be static with old patterns but dynamically develop new mindsets so be a creative person who is eager to find new ideas, open with something new and passionate about innovating in adjusting life to the latest circumstances. A teacher must be able to have new ideas to give birth to something new, especially with regard to teaching methods in realizing quality education, innovative and contextual, therefore creativity is an important aspect for a teacher in facing and anticipating the progress of the world, knowledge and technology and able to construct new ideas in teaching methods, for this reason the creative soul must underlie a teacher to be able to analyze, predict, and find strategic steps in building teaching methods to produce higher quality education [1].

The teacher knows that the abilities of each student are different from one another, the teacher must be able to make appropriate learning for students so that the learning process can run well [2]. Students really need the attitude of such teachers in this era. The teacher is an important figure in learning because it has a very large role in the success of students learning in school. The teacher's most important role is to foster student confidence in realizing his life's goals

optimally. it is also the hope of parents so that later their children will grow optimally [3]. Based on these thoughts, this research is conducted to analyze the effect of teacher creativity in developing teaching methods, especially in the field of Christian Religious Education using the Structural Equation Modeling approach. By knowing the indicators in teacher creativity as a factor influencing teaching methods in an effort to improve the quality of teachers in developing teaching methods as well as a reference for the education provider to develop strategies and prepare resources in education so that the profitability of leading institutions and students can continue to be improved.

II. RESEARCH METHODS

This study was expected to gain on the elements of The Influence of Teachers Creativity in Developing Teaching Method at SMP Methodist Sidikalang. The sample in this study is 162 respondents of the students, same number of the population. Thus the sampling technique used is census. In this study questionnaire was given to 162 respondents in accordance with the planning that has been done. This study uses the Structural Equation Model (SEM) approach to be able to analyze the direct effect, indirect effect and the total effect of the relationship between the factors of teacher creativity on the development of teaching methods with passion in innovation as an intervening variable. Data analysis method is a method used to process research results in order to obtain a conclusion. By looking at the theoretical framework, the data analysis technique used in this study is a quantitative analysis using the SEM (Structural Equation Modeling) model or the Structural Equation Model with the AMOS 4 program. SEM is a collection of statistical techniques that enable the testing of a relatively complex set of relationships simultaneously [4]. This complex relationship can be interpreted as a series of relationships that are built between one or several dependent variables (endogenous) with one or several independent variables (exogenous), and these variables are in the form of factors or constructs that are built from several indicators that are observed or measured directly. The theoretical framework model that has been built, is then transformed into a path diagram to illustrate the influence between exogenous variables and endogenous variables, namely:

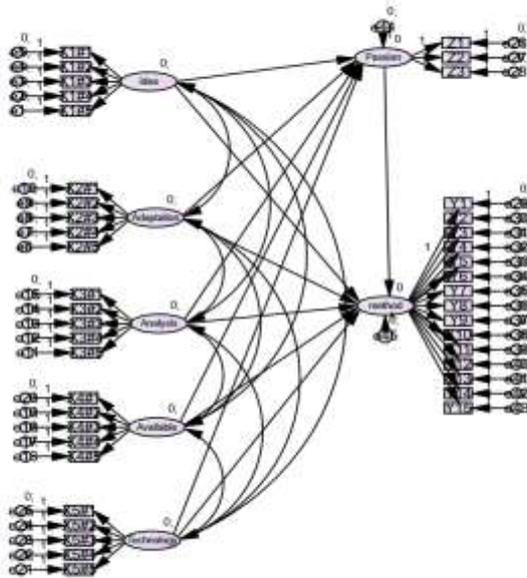


Figure 1. Theoretical framework model that transformed into path diagram

III. RESEARCH RESULT

a. Directs Effect

	OIM					
	Coef.	Std. Err.	Z	P > [z]	95% Conf	Interval
Structural totalz						
totalx1	.0260237	.0793474	0.33	0.743	.1294943	.1815417
totalx2	.1065476	.0586213	1.82	0.069	-.008348	.2214432
totalx3	.0594267	.0394309	1.51	0.132	.1367098	.0178564
totalx4	.0428739	.0591713	0.72	0.469	.0730998	.1588476
totalx5	.0155897	.0561998	0.28	0.781	.1257392	.0945598
Totally Totalz	.2503707	.2881489	0.87	0.385	.3143907	.81511321
totalx1	.4237226	.291106	1.46	0.146	.9942798	.1468346
totalx2	.3461124	.2171767	1.59	0.111	.0795462	.7717709
totalx3	.3066885	.1456245	2.11	0.035	.0212697	.5921073

totalx4	.2398377	.2173644	1.10	0.270	-.665864	.1861886
totalx5	.3356969	.2061636	1.63	0.103	.0683763	.7397702

b. Total Effects

	OIM					
	Coef.	Std. Err.	Z	P > [z]	95% Conf	Interval
Structural Totalz						
totalx1	.0260237	.0793474	0.33	0.743	.1294943	.1815417
totalx2	.1065476	.0586213	1.82	0.069	-.008348	.2214432
totalx3	.0594267	.0394309	1.51	0.132	.1367098	.0178564
totalx4	.0428739	.0591713	0.72	0.469	.0730998	.1588476
totalx5	.0155897	.0561998	0.28	0.781	.1257392	.0945598
Totally Totalz	.2503707	.2881489	0.87	0.385	.3143907	.8151321
totalx1	-.417207	.2916867	1.43	0.153	.9889024	.1544884
totalx2	.3727888	.2154961	1.73	0.084	.0495757	.7951533
totalx3	.2918098	.1449508	2.01	0.044	.0077114	.5759802
totalx4	.2291033	.2175181	1.05	0.292	.6554309	.1972243
totalx5	.3317937	.2065944	1.61	0.108	.0731238	.7367113

The results of the study can be seen in the Analysis of structural models conducted using the Structural Equation Model. With this tool it can be seen whether there is a significant relationship between exogenous (independent) variables with endogenous (dependent) through intervening variables. If there really is a relationship, how significant is the relationship. The criteria used were $z \geq 1.96$ for a significant level of 5%. Analysis of structural models can be seen in picture.3. After analyzing it is proven:

1. Analysis of the direct effect of variables X1, X2, X3, X4, X5 to Z (passion for Innovation) is rejected because result of analysis Z under 1.96 with alpha $\alpha < 0.05$, it has no influence on Z.
2. Analysis of the direct effect of variable Z (passion of innovation) to Y (teaching method) is rejected because result of analysis Z under 1.96 with alpha $\alpha < 0.05$ it has no effect on Y.
3. Analysis of the direct effect of variable X1 and X2 to Y is rejected because Z under 1.96 with alpha $\alpha < 0.05$. It had no effect on Y.

4. While the analysis of the influence between the Analysis Capability variable (X3) and the Learning Method (Y). Based on the identification of the coefficient value of the variable path analysis is significant and affects the Learning Method with a significance level $\alpha = 5\% > 1.96$ which is 2.01 with a coefficient value of 0.2918098. Thus, Hypothesis IV is accepted, the Ability to Analyze Variable statistically influences the Learning method. And if the analysis variable increases 1%, then the learning method variable increases by 0.2918098%.
5. Judging from the Direct Effect section $P > (z)$ for variable X3 written 0.035 with a total effect of 0.044. If $\text{sign} = \alpha < 0.05$ then obviously X3 variable has a positive effect on Y

IV. DISCUSSION

There are 5 variables that influence teacher creativity on teaching methods including having new ideas, being able to adjust, having the ability to analyze, being open, and mastering technology. In relation to these 5 variables do not have an influence related to the passion of teachers in innovating. Furthermore it was found that the passion for innovation by the teacher did not have a significant influence on the teaching method. The variables that influence the teacher in developing the learning method applied are the teacher has the ability to analyze, while other variables namely the teacher has a new idea, the teacher's ability to adjust, the open attitude of the teacher, and the mastery of the teacher in technology has no influence on the development of the teaching method of the teacher.

V. CONCLUSION

This study analyzes the creativity of teachers in developing teaching methods at Methodist Junior High School, Sidikalang, Dairi Regency. From the research process produced a finding turned out to be the strongest indicator in teacher creativity that is the ability to analyze the progress of the times in influencing the ability of teachers to develop teaching methods. For this reason, teachers at this school must improve their competence and professionalism with this ability because at the beginning, it has been said that the characteristics of the progress of this era are dynamic and complex so that teachers should be creative at all times in following very dynamic progress to analyze very complex problems and find knowledge, theories, new ideas, new ideas that need to be developed in teaching methods. Only teachers who are creative supported by a passion for innovation can develop the latest and contextual teaching methods to improve quality in today's education.

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