Implementation Of Kumon Learning Method To Student Learning Independence

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ABSTRACT

The purpose of this study was to determine the effectiveness of PBL. Mathematics is an exact science or science of certain knowledge about the logic of the form, order, scale, and concepts that are related with each other. In mathematics teaching, the understanding of the concepts of the essential very important. The understanding of the concepts of the essential that both will make the students put the concepts of the concept in the long-term memory system and can use them to think on a higher level thinking such as problem solving and creative thinking. The understanding of the concepts of the essential that will aid them in reaching the specified minimum value in formal education. But in fact, many students who are still far from ideal condition. The understanding of essential concepts in mathematics for material operation count is still low. In addition the number of students who successfully reach and exceed the minimum value formal education less than 70%. This is what causes the number of teachers must perform a remedial learning classical. Not yet on the actual condition, many students who are not able to follow the lessons but can still up the class seems to get "values" mercy from the teachers. If things like this continue to happen, then their understanding will not be formed as a whole to be able to continue teaching on the next material that the fact of the matter is the lesson materials that more complex. The Kumon Method is a unique educational method, which does not generalize the ability of each student. Based on individual guidance and learning at the right level, Kumon want to develop each child's ability and maximize its potential. Kumon appreciate the value of independent learning. Thus, individual guidance is one of the basic features of the Kumon Method. The key to an individual guidance is learning at the right level, when students can advance independently without being specifically taught. With the Kumon Method, students learn independently from an early age and develop both a high level of academic ability and the ability to learn independently, or in Kumon better known as the "ability to learn independently". Individual guidance Kumon method allows each student to learn at levels that best suit
their academic ability, regardless of age or level of schooling, and to advance beyond the current school levels.

INTRODUCTION

Mathematics is an exact science or science of certain knowledge about the logic of the form, order, scale, and concepts that are related with each other. In mathematics teaching, the understanding of the concepts of the essential very important. The understanding of the concepts of the essential that both will make the students put the concepts of the concept in the long-term memory system and can use them to think on a higher level thinking such as problem solving and creative thinking. The understanding of the concepts of the essential that will aid them in reaching the specified minimum value in formal education.

But in fact, many students who are still far from ideal condition. The understanding of essential concepts in mathematics for material operation count is still low. In addition the number of students who successfully reach and exceed the minimum value formal education less than 70%. This is what causes the number of teachers must perform a remedial learning classical. Not yet on the actual condition, many students who are not able to follow the lessons but can still up the class seems to get "values" mercy from the teachers. If things like this continue to happen, then their understanding will not be formed as a whole to be able to continue teaching on the next material that the fact of the matter is the lesson materials that more complex.

In addition, there are still many students who thought that mathematics is one of the subjects that have the level of difficulty is very high. It can cause the results of learning learners less satisfying. But along with the development of knowledge, detriment interesting learning method, easy and become a consideration for the parents to help the children in solving mathematics problems. The method of learning is one of them is the kumon method of learning. Kumon is an individual learning methods. The initial level for each student Kumon determined an individual. Students start from a level that can be earned easily, without error. Work sheet has been designed in such a way that students can understand how complete refuses. If the students continue to learn with its own, he will pursue teaching materials which is equivalent to the level of the class and even forward goes further.

From the explanation above, with many students who do not have the independence of learning especially in the field of mathematics, researchers feel interested to know how the implementation of kumon learning methods to student learning independence. The focus of the problem of the research used as guidelines of this research is to implementation of kumon learning methods to student learning independence.

The method is derived from the English "method" which means the way. In General Dictionary Bahasa Indonesia method is "how that has been organised and thought good to achieve a significance (in science and etc.)". While according to Zakiyah Daradjat, methods is "a systematic way of working and general, such as how the science".
Meanwhile Suryosubroto proposed that "method is the way in which the function is a tool to achieve" According to Sudjana learning (in education psychology books, 2007, p. 80) is every effort done deliberately by educators that can cause learners do learning activities. Gulo defines learning as an activity organize or manage the environment in the best possible way and connect it with the students so that the learning process. While Oemar Hamalik proposed that learning is an attempt to organize the environment to create conditions of learning for learners. These activities include the basic elements of the inhuman treatment, material facilities, equipment and procedures that affect each learning goal. Elements of this inhuman treatment includes students, teachers and other workers. According to Sugihartono, dkk, (2007, p. 81-85) method of learning means the way that is done in the learning process so that it can be obtained optimal results. In learning there are various kinds of learning methods.

Thus it can be concluded that the learning method is a systematic way by educators as part of the effort to create a conducive learning conditions in order to achieve optimal results. This method is used in the teaching and learning process to deliver learning materials in order to achieve expected. In the definition is also contained the meaning that in its application activities select, specify, use and develop the optimal method to achieve the desired results.

The independence including into the scope of the nature of a man. Independence is one of the aspects of the nature of someone then in studying the concept of independence should be seen as part of the corresponding individual personality. In the field of education is often referred to the independence of learning. This attitude is required of each student so that they are able to discipline himself and have a responsibility.

According to Umar Tirta Rahardja and La Sulo (2000, p. 50) independence in learning is defined as learning activities which the continuation of a more driven by their own accord, elect themselves and their own responsibility of learning. Independence here means more stressed on the individual learning and its obligations in the study done by themselves and fully controlled itself. The sense of independent learning according to Hamzah B.Uno (2011, p. 51) namely learning method with its own speed, own responsibility and learn to be successful. So, whether successfully in learning are all determined by the personal. According to the Haris Mujiman (2011, p. 1-2) independent learning is active learning activities that are driven by the motif to control something competencies, and built with the provision of knowledge or competencies that has been owned. In the determination of the competencies as the purpose of learning and how he accomplished much good learning time assignment, where learn the rhythm of learning, tempo learn how to learn learning resources, and evaluation of the results of the study done by itself.

From the several definitions can be concluded that the independence of learning is learning activities done by the individual actively and controlled to take over a specific competence. This learning independence constituted by the attitude of the responsibility that belongs to the individual to achieve optimal learning achievements.

METHODS

This research aims to know how the implementation of the kumon method of learning against the independence of student learning. This research using descriptive qualitative approach. Called with descriptive qualitative approach, because in this study
the data collected is a description of the form of the written word from respondents and the perpetrators of respondents (object) observed. The use of this qualitative approach is considered appropriate in this research and is expected to produce a complete picture of the problems that are being examined. Now another reason for the use of this method is that the researcher can develop an in-depth analysis of the implementation of the kumon method of learning against the independence of student learning.

In qualitative research, researchers is the main instrument of research where the researchers as well as the planners specify the focus, select informers, as commissioning data collection, interpreting data, draw conclusions while in spacious and analyzing data in the field of natural without made-create. This is in accordance Moleong (2011, p. 168) which stated that the position of the researcher in qualitative research is quite complicated. The Consequences of researchers as an instrument of research is that the researcher must understand the issues that will be examined, understand qualitative research data collection techniques that will be used. The researcher must be able to catch the meaning of express and implied warranties from what is seen to be heard and felt, for that needed skill in understanding the problem. The researcher must be able to adapt to the environment that will be examined, for that needed a tolerant attitude, patience and become a good listener. Moleong (2005) presents the characteristics of human beings or a researcher as instrument includes facet responsive, adapt, emphasized the integrity, bases itself on the knowledge, processing, search the response. This research done in the course of mathematics kumon in Surabaya with a number of respondents as much as 5 people consisting of a course management and 4 the tutor.

The procedure of data collection in qualitative research is very dynamic, where researchers entering the field that is open to automatically researchers face difficult situations predicted exactly what is, being and will happen. Then for that researchers must rely on techniques qualitative data collection, such as interview, observation and study of the document. Data analysis techniques used in this research is based on the concept of the Milles & Huberman in Sugiyono (2010, p. 337) namely activity in the analysis of the data is continuously thoroughly that classify data analysis in three steps, namely data reduction, presentation of data and the withdrawal of the conclusion.

And in qualitative research, A patients perception researchers is the most dominant because researchers serves as the instrument of research, plus again with the main data collection techniques qualitative research which covers the interview, observation, and study the document is considered to have many weaknesses when done openly and especially without control. View is so great and the importance of the position of the data, then the validity of the data is becoming vital. Because the data that one will produce the conclusion that one so also on the contrary. Then for that, this research uses the technique of triangulation data. Triangulation is a data analysis approach to compare and synthesize data from a variety of sources.

RESULTS AND DISCUSSION

Created by Our ambition Kumon Kumon. Our ambition Kumon develop early forms of the Kumon Method on 1954 when he became a mathematics teacher in HIGH SCHOOL. At that time the wife of Our ambition Kumon, Teiko, ask to see the lessons Arithmetic to class 2SD from his eldest son, Takeshi, because he is not satisfied with the results of their miraculous recurrence at. to develop the early form of the Kumon
Method on 1954 when he became a mathematics teacher in HIGH SCHOOL. At that
time the wife of Our ambition Kumon, Teiko, ask to see the lessons Arithmetic to class
2SD from his eldest son, Takeshi, because he is not satisfied with the results of their
miraculous recurrence at. The purpose of our ambition Kumon is to create a set of
questions that can be done gradually Takeshi independently, which allows it to develop
its ability to gradually.

Kumon offers individual assistance to help each child develop their abilities to the
full. The level of the ability of the children vary depending on their natural intelligence
and the environment in which they were raised. If the students were forced to learn the
same materials only because they are the same age, then some children will lose
confidence because the material is too difficult. While on the other children will become
bored because he felt very easy. Therefore it is essential that each student is given the
material in accordance with their academic ability. During study with Kumon, Mentor
gives students the material in accordance with the level of ability while considering the
level of mastery they will fill the learner.

This Kumon method is a unique education method, which does not dismiss the
ability of each student. Based on the guidance of individuals and learn on the right level,
Kumon want to develop the capacity of every child and maximize potential. Kumon
appreciate the value of independent learning. The guidance of an individual is one of the
basic features of the Kumon method. The key from the guidance of an individual is
studying at the right level, namely when the students can be developed independently
without taught in particular. With Kumon method, students can learn independently
from an early age and can develop academic ability in high level and the ability to learn
independently, or at Kumon more known as the ability to "learn independently". Individual guidance Kumon method allows each student to learn on the levels of the
best that is in accordance with the academic ability, without considering the age or
school level, and go beyond the current school levels.

In Kumon, students began studying at the levels where they can get the perfect value
with easy and forward with their own capabilities. Because with the appropriate levels
of learning with its ability, students will learn with eager and will repeatedly feel the
feelings of success along with the increase of their academic ability. Students typically
begin to learn on a level that they can do with easy level that is lower than the material
they learn in schools. But to continue to learn on the right level, they can reach the
levels of the school and then go beyond the material they learn in schools. After the
forward two or three levels above the levels of the class, in addition to raise their
academic ability, students will become more eager to face new challenges and improve
the quality of such as increasing independence and positive attitude. Learning system
which is implemented based on the optimal levels to learn, namely by placing students
in the appropriate learning levels. For students bored with the classroom learning
system or students who are not able to follow the lessons in class, they can develop their
ability to the full if they learned at the right level.

Based on the results of research, kumon using the model of the problem to train
students learn resources independently. The giving of the burden of tasks on the
students in the form of school work sheet and sheet of the work of the house will be able
to develop the independence of student learning. This question sheet is also equipped
with a note of time to measure the speed and accuracy of the students in the making of
the questions for to measure the success of the students at a level, tutor always record
the number of questions, values and note the time obtained in the book the report of the
individual students. With the notes will be obtained the graph of student learning that can show the success of students in the reach the target that has been determined.

The commitment of the tutor kumon to always uphold the development of independence of student learning by encouraging students to find their own way of working on the questions without asking, able to grow in the attitude of the independence of student learning. This has proven by the results of student learning report that shows the speed of the execution of a question and the value obtained. In addition also proven with a conducive class condition, where students work independently on the tasks given sheet. Thus, students will get a sense of confidence to learn and always develop the ability to solve mathematics questions.

REFERENCES


