



## ENHANCEMENT EFFECTIVENESS LEARNING THROUGH STRATEGY LEARNING WHICH INTERACTIVE AND CREATIVE

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### Abstract

Learning strategies are steps that support students' ease in the process study. Strategy identical with technique, strategy or tips. However if combined with say learning (learning strategy) can be understood as a method or set of methods or techniques that carried out by a teacher or student in trying to bring about a change behavior or attitude. This process includes selecting methods, media, sequence of material, and scope of material in accordance, for achieve competency learning. strategy choice which right no only facilitate the achievement of learning objectives, but also increase the effectiveness of learning overall. The importance of choosing a strategy by considering certain criteria, such as objective study, characteristics learners, and factor other, so that process learning can optimal. This research aims to explore effective learning strategies to increase vocational school students' self-confidence in learning mathematics. The research results show that implementing student-oriented learning strategies, such as group discussions and providing constructive feedback, can significantly increase students' self-confidence in studying mathematics. Learning strategies that pay attention to student needs and provide appropriate support can have a positive impact on increasing student self-confidence.

**Keywords :** Effectiveness learning, strategy learning which interactive and creative

### Introduction

Strategy learning is process choose and compile activity learning in something learning units such as sequence, nature of material, scope of material, methods and most media appropriate to achieve learning competency. So, what is the problem? develop effective learning strategies? Apart from that, what is the role of strategy? learning in improving learning effectiveness? Strategy in context education can in meaning with planning what is will we door series what which will we achieved which lead to objective education. Strategy in an educational context leads to something specific, namely specific to learning. Learning strategies are used by teaching staff to achieve goals learning effectively and efficiently (Suyadi, 2013: 13). Learning is an interactive journey where students interact with educators and various learning resources in the learning environment. In it there is an active effort to encourage students to learn and develop themselves. The essence of learning is create conditions that allow meaningful learning activities to occur. Without it learning activities that produce understanding and mastery of the material, learning activities become tasteless. By Because That, success activity study depends on how much active participated educate involved in the process learning. In an effort to create meaningful learning experiences, it is important to use a variety of diverse and learner-centered learning strategies. Through interaction between participants educate, Teacher, environment and source Study other, experience Study can enriched and become more relevant to individual needs. This learning experience does not only include mastery subject matter, but also involves the development of life skills necessary for success in Century front. According to Sadiman et al. (1986), learning is a series of planned efforts to manage learning resources so that a learning process occurs within students. In other words, Learning is a deliberate effort to form patterns of thinking, attitudes and behavior positive

for students. In this context, teachers have an important role as facilitators learning that guides and designs learning experiences that are relevant and meaningful for participant.

Learning can also be viewed as a process of managing the learning environment deliberately to facilitate personality formation Which positive on the individual within situation certain (Miarso, 2004). Therefore, the essence of learning is all the effort made by educators to create conditions that support a meaningful learning process and significant for participants educate. J. R David, Wina Senjaya (2008) states that learning strategies contain meaningplanning. This means that strategy is basically still conceptual about decisions. decision which will be taken in an implementation learning. Strategy learning, it is still conceptual in nature and various methods are used to implement it specific learning. In other words, strategy is "a plan of operation achieving something" whereas method is "a way in achieving something" (Vienna Twilight, 2008). Learning according to Gagne & Briggs is a system that aims to help the processstudent learning, which contains a series of events that are designed, arranged in such a way to influence and support the internal learning process of students (Gagne and Briggs, 1979). Thus, learning is all efforts to deliberately create conditions so that learning objectives can be facilitated his achievements. Strategy identical with technique, strategy or tips, However if combined with say learning(learning strategy) can be understood as a method or set of methods or techniques that carried out by a teacher or student in trying to bring about a change behavior or attitude. Therefore, learning strategies are an activity learning that teachers and students must do so that learning objectives can be achieved in a way effective and efficient (Kemp, 1995). Learning strategies include all over component material learning and procedure or stages activity study which/or used by teacher in frame help participant educate reach objective learningparticular (Dick & Carey, 1990). Therefore, learning strategies are not only limited to procedures or stages of learning activities only, but also includes the arrangement of materials or packages program learning which will be delivered to participant educate. Learning strategies according to constructivism emphasize the use of knowledge effectively meaningful, the learning sequence follows the students' views, and emphasizes the process, as well learning activities in a real context, not following the sequence in a textbook. Meanwhile evaluation learning emphasizes the active construction of meaning that involves integrated skills by using problems in real contexts, exploring divergent thinking, demanding multiple solutions are not just about correct answers, and evaluation is an integral part of the process learning (Degeng, 2007).

### Research Methodology

Method is method which used for discuss and research problem. method which used in this article using a literature study. Research was carried out using a literature study researching and analyzing and reviewing several book and journal sources related to strategy learning with method review literature this aim minimize time which wasted for conduct research.

### Result & Discussion

Learning is the interaction that occurs between students, educators, and internal learning resources a learning environment, in accordance with Law Number 20 of 2003 concerning Systems National Education. The essence is an effort to encourage students to learn. In a word on the other hand, learning is a step to create conditions that support its occurrence learning activity. Learning activities will only be successful if students are actively involved in them process learning. Learning activities are designed to provide learning experiences that involve processes mentally and physique through interaction between participant educate, Teacher, environment, and source study other, with the aim of achieving basic competencies (BSNP, 2006). This learning experience can be realized through a variety of student-oriented learning strategies, which covers mastery of various life skills which important. In another context, learning is a series of planned efforts to manipulate resources learning so that a learning process occurs within students (Sadiman, et al, 1986). Learning, or what is often referred to as learning activities, is an effort to manage environment deliberately so that individuals can shape themselves positively in the conditions certain (Miarso, 2004). Thus, the essence of learning is all effort done by educators to facilitate the process Study participant educate. Gagne & Briggs' perspective adds that the learning process involves identifying goalslearning, developing appropriate learning strategies, and assessing achievement competence Which desired.

#### *Understanding and Objective strategy learning*

In planning strategy learning, a number of aspect key need be considered so processeffective learning and learning objectives can be achieved well. According to Dick and Carey, There are five important components in learning strategies, including learning activities introduction, delivery information, participation participant educate, test, and activities follow-up. Temporary according to Gagne And Briggs, there is nine order activity

learning Which covers provide motivation, explain learning objectives, remind prerequisite competencies, provide stimulus, provide learning instructions, raise student performance, provide bait turn around, assess performance, and conclude. However, it is important to remember that not all subjects require all of these strategies. This depends on the characteristics of the students, type of learning material, and objectives/competencies what you want to achieve. Apart from that, learning strategies also involve other main components, such as order activity learning, methods teaching, media learning, and scheduling time. Order activity learning generally consists from three stage main, namely introduction, presentation, and closing. Stage introduction aim for prepare mentally participant educate, with the teacher give a brief overview of the material to be studied, the relevance of this material in life daily activities, as well as goals/competencies that must be achieved. Apart from that, teachers can also use it strategies to attract attention and motivate students to actively participate in learning. The aim of the activities at this preliminary stage is to: (a) provide motivation and focus attention participant educate so that they can prepare self for accept lesson and (b) find out students' abilities or what students have mastered previously and related to the subject matter to be presented. Things to do at this stage is to provide a brief overview of the lesson content, explaining the relevance of the new lesson content with participant experience educate, and explain about learning objectives.

The presentation stage in learning is a very important foundation in ensuring good understanding by students. Furthermore, this stage consists of several elements must note carefully: Explanation: The teacher provides an in-depth explanation of the subject matter or concept which will studied. Explanation This must be submitted with method which easy understood by participant educate, Good through words or media visual like picture, model, or demonstration. Various method teaching, like lecture, discussion, or demonstration, can used for increase participant understanding educate. Example and non-examples: important for teachers to provide example and non-example which relevant from the subject matter being explained. These examples help students to relate abstract concepts to real situations in everyday life. Example that given must be varied, both in terms of its nature (positive or negative) and diversity the context.

1. Exercise: After understanding the concept theoretically, students need to be given the opportunity to apply their knowledge in a practical context. Relevant exercises with everyday life can help students to strengthen their understanding. Teachers need to provide constructive guidance and correction during the practice process for ensure that learners can master that concept well.
2. Reflection: In addition, the presentation stage should also include time for reflection. Participant educate need given chance for think about return what which has studied and hook it up with their personal experience. This can be done through group discussions, writing reflective, or other activities that encourage students to understand concepts more fully in.

Closing in process learning is a moment crucial which ensure understanding and student progress. In this closing stage, there are several important activities that are necessary done: implementation test results study:

1. Formative tests done For measure progress study participant educate. This test can be delivered either orally or in writing, according to needs and context learning
2. Feedback: Providing feedback to students based on test results have been done. The information provided is not only in the form of values, but also explanations regarding progress and areas that need improvement. Constructive feedback will help students repair their performance in Century front
3. Follow Up (Follow Up): After receiving feedback, students need to be given guidance about next steps. Students who get poor test results may need it carry out remediation or re-understanding of the material being tested. Meanwhile, students who successful may be able to move on to the next material or be given additional challenges to deepen their understanding.
4. Reflection Self: Push participant educate for ponder learning which has they go through. Through reflection, students can identify their strengths and weaknesses learning, as well as formulate strategy for increase performance in period coming.
5. Evaluation Process Learning: Teacher Also need evaluate process learning in a way whole. This includes reviewing the teaching methods used, the effectiveness of the tests, and participant responses educate towards learning. This evaluation helps teachers to improve the quality of teaching in period front.

By carrying out this closing stage comprehensively, we can ensure that learning taking place in a way effective and efficient, as well as give impact positive which significant for participant educate. Of course, in addition to the aspects previously mentioned, there are several considerations addition which need considered in choose method learning and tools or media learning which appropriate. Student characteristics: Each group of students has different characteristics, like level understanding, interest, and style study. By because that, important for teacher for choose method in accordance with the these characteristics so that more learning effective. availability of resources:

Availability of resources in the school or learning environment as well influencing the choice of learning methods and media. For example, if technological resources limited, then methods that require electronic devices may not be applicable with good.

1. Technological Advancement: As technology advances, there are various kinds of tools and media learning continues to develop. Teachers need to monitor technological developments and choose method as well as media which in accordance with development the so that learning still relevant and interesting for participants educate
2. Teacher Creativity: Teacher creativity in designing and delivering learning materials as well very influential. Teachers can combine various learning methods and media innovative to improve the quality of learning.

With notice aspects this in a way holistic, Teacher can choose method learning and learning tools or media that best suit students' needs and conditions environment learning.

### *Criteria Election strategy learning*

For choose strategy learning which effective, teacher must consider a number of criteria important. The following is explanation which more detailed about these criteria:

1. Suitability Strategy with Objective or Competence:
  - a) Cognitive Goals: The strategies chosen should support the development of abilities intellectual and think for example, strategy discussion or learning based project which requires analysis and solution problem
  - b) Objective Affective: Strategy which support development emotion and social. for example, activity group which promote cooperation and empathy
  - c) Psychomotor Goals: Strategies that support the development of motor skills or motor. for example, exercise physique or game which need coordination motor.
2. Suitability Strategy with Type Knowledge:
  - a) Knowledge Verbal: Strategy like discussion, presentation, or debate which need use words.
  - b) Visual Knowledge: Strategies such as poster creation, visual presentations, or use media other visuals.
  - c) Knowledge Conceptual: Strategy like learning based theory, diagram, or model.
  - d) Knowledge Process: Strategy like exercise practical, simulation, or learning based project.
3. Suitability Strategy with Target:
  - a) Learner Characteristics: Consider educational and social background economy, motivation, interest, and style Study participant educate. Strategy must customized for overcome this gap
  - b) Initial Capabilities: Strategies that support the development of initial capabilities or "prerequisite skills" like ability think critical, ability think analytical, and ability motion or psychomotor
  - c) Background behind and status social culture: That strategy consider background behind and status social culture participant educate for adapt approach learning
  - d) Difference Personality: Strategy Which consider difference personality, like attitudes, feelings, attention, interest, motivation, and so on.
4. Cost And Efficiency:
 

Learning strategies must consider the costs involved, both in terms of time, source power, nor material costs. strategy which effective must reach objective learning with cost which reasonable.
5. Ability Strategy Learning:
 

Strategy must customized with need Study individual, group small (cooperative, collaborative), or group big or classic (conventional).
6. Characteristics Strategy Learning:
 

Understand the advantages and disadvantages of each learning strategy, as well How strategy the can customized with need learning. This including consider How strategy can adapted For various context and participants educate.
7. Time
 

How many long time yes necessary for carry out strategy learning which chosen, how many long time which available for serve material the, and etc.

### *Effectiveness learning*

#### *Understanding And Principles Learning*

Effective learning is defined as activities that can be completed within a reasonable amount of time appropriate and achieve the desired goals. Learning effectiveness emphasizes comparison between plans and achieved goals, often measured by the achievement of learning objectives or it can be interpreted as accuracy in managing a situation. Effective learning is what produces useful and purposeful learning for students, through use of correct procedures. This definition contains two indicators, namely the occurrence of learning on students and what teachers do. Learning procedures used by teachers and It is proven that student learning will be the focus of efforts to increase effectiveness learning. Effective learning is something learning Which possible participant educate for study skills Specific, knowledge knowledge, and attitude as well as which make participant educate like. learning which effective makes it easier participant educate for study something which beneficial, like facts, skills, values, concepts, ways of living in harmony with others, or something that results from learning desired. Thus, effective learning is learning that possible participant educate For can Study with easy, pleasant, And can be achieved objective learning is in line with expectations.

#### *Characteristic features Learning that Effective*

There is a number of characteristic learning which effective, that is: Students become active observers of their environment through observing, compare, find similarities and differences and formdraft and generalization based on similarities which found. Teacher provide material as focus think And interact in lesson. Activities participant educate fully based on assessment. Teacher in a way active involved in giving directions and guidance to participant educate in analyze information. Orientation learning mastery fill lesson and development skills think. Teacher use technique teach which varies in accordance with objective and style teach teacher. According to Wottuba and Wright (1975), there are seven indicators that indicate effective learning, that is:

- a) Organizing learning with good.
- b) Communication in a way effective
- c) Mastery and enthusiasm in eye lesson
- d) Attitude positive to participant educate.
- e) Giving exam and value fair
- f) Flexibility in approach learning
- g) Results study participant educate which good.

#### *Implications Strategy Learning To Enhancement Effectiveness Learning*

The modern conception of learning requires students to be active, responsive, and active in seeking, selecting, finding, analyzing, concluding, and reporting learning results. Model learning sort of this can only accomplished with good if teacher capable develop effective learning strategies. Remembering that there are various learning strategies that can be done used by teacher, However no all the same deeply effective achieving goals learning. for that needed creativity teacher in develop and choose strategy learning whicheffective.

### **Conclusion**

It can be concluded that effective learning is a complex process that involves interaction between students, educators, and learning resources in a learning environment designed to achieve predetermined goals or competencies. Learning strategies effective covers combination from description activities, ways organizing material lesson And participant students, equipment and media, and time used. The four main components of strategy learning is a sequence of learning activities, methods, media, and time, while five the general components suggested by Dick and Carey are preliminary learning activities, delivery information, participant participation educate, test, and follow-up activities. Effective learning allows students to learn specific skills, knowledge knowledge, and attitude as well as which make they feel like. This covers study with easy, fun, and can achieve learning objectives in accordance with expectations. Indicator Effective learning includes organizing learning well, communicating effectively effective, mastery and enthusiasm in the subject, positive attitude towards students, giving fair tests and grades, flexibility in learning approaches, and learning outcomes participant educate which good. By whole, effective learning need approach which varies and adaptive, which consider the individual needs and abilities of students, and use strategies designed to achieve learning objectives in the most effective way and pleasant for them. Suggestion short based on criteria which has mentioned.



#### *Election strategy learning:*

1. Objective Study: Choose strategy which in accordance with type and level objective study.
2. Material or Contents Lesson: Choose strategy which in accordance with characteristic, depth, and many material lesson
3. Participant Educate: Choose strategy which consider background behind, motivation, style study, as well as physical and mental condition of students
4. Power Education: Choose strategy which in accordance with amount, qualification, and competence power education
5. Time: Choose strategy which in accordance with long and timetable learning.
6. Means: Choose strategy which utilise means which available.
7. Cost: Choose strategy which in accordance with cost which available.

#### *Process Learning:*

1. Interactive: Use method allows interaction between participant educate and educator.
2. Inspirational: Use material and activity which interesting and inspirational.
3. Calm: For environment study which pleasant and support.
4. Challenge: Set challenge which in accordance with ability participant educate.
5. Motivating: Use method motivating participant educate for participate active.
6. Space for Initiative, creativity and independence: provide sufficient space for initiative, creativity, and independence participant educate in accordance with talent, interest, and development physique as well as their psychology.

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