

## The Analysis of Discovery Learning Approach in English HOTS Teaching Video

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**Abstract.** The purpose of the study was to provide the analysis of the teacher's instructional tactics used in the Video Pembelajaran HOTS Mapel B Inggris SMP from the YouTube channel run by Romi Siswanto. To study the strategies the instructor employs and to explain how the English teacher uses those strategies in the video's English teaching process. The approach used in this study is qualitative. As a method of gathering data for this study, observation and documentation were used. The subject of this inquiry is a HOTS Mapel B English Middle School English teacher who also serves as a video learning instructor. Data reduction, data display, and conclusion-making are all parts of data analysis. It is recommended that teachers use the techniques found by the researcher from this study. Especially for English teachers and other academics. Window shopping and one-stay, three-stray activities can be used to help students use the Discovery Learning technique to understand the topic content, which is quite helpful in the field of education. In addition, these techniques can help students in developing their reading, listening, speaking, and writing skills as well as their overall learning experience.

**Keywords:** *discovery learning approach, HOTS (high order thinking skills, teaching video*

### 1. Introduction

The four English language abilities of speaking, listening, reading, and writing must be studied and mastered. These abilities are interconnected and cannot be used alone. Therefore, these abilities must be learned by both instructors and pupils. Reading is one of the talents that students need to possess. Students who are proficient readers can learn more and retain it better. Students that struggle with reading comprehension tend to move slowly and find it challenging to advance. On the other hand, if kids are proficient readers, they will find it simpler to comprehend and pick up reading [1]. A student's proficiency in a language will affect how well they can communicate in that language.

Teacher competence refers to the behavior and outcomes that a teacher should be able to achieve when doing his or her duties[[2]]. A fundamental skill that all teachers must acquire is teacher competency. Therefore, having the teacher's point of view on the topic matter is crucial to improve student learning results. Based on this viewpoint, it can be deduced that to be a successful teacher, a person must be able to acquire several competencies connected to teacher

professionalism. These comprise personality, pedagogical, social, and professional abilities. The government introduced the 2013 curriculum. According to Curriculum 2013, the learning process is an educational process that gives pupils the chance to maximize their potential and achieve abilities that are better than those previously evident from the characteristics of attitude (affective), knowledge (cognitive), and skills.

The starting point or point of view for the learning process can be thought of as the learning strategy of the learning method. These strategies support learning techniques with a particular theoretical focus and embody, inspire, enhance and sustain those techniques. Based on the type of strategy used, learning is divided into two categories: a. Student-centered approach. Teacher-centered approach.

One of the most difficult abilities to master is the capacity to absorb and comprehend the substance of a reading text. Reading comprehension is the degree to which one comprehends a text or message. The capacity to read literature, comprehend its message, and apply it to one's past knowledge. This comprehension is the outcome of the written words' interactions with one another and their ability to draw information from sources outside the text or message[[3]].

Teaching activities necessitate the role of a teacher to create a harmonic communication link between the teaching process and learning. To guarantee that learning objectives may be successfully met, a teacher must have a plan. One of the issues that contributes to understanding being less effective is the choice of learning strategies that are inappropriate for the process, and for sound learning, teachers must have a plan.

The most fundamental skill that can be acquired in the classroom is the ability to think, which is necessary for all students to succeed. When presented with a dilemma, thinking is one of the mental processes that a person engages in[[4]]. There are two types of thinking ability: high-order thinking (HOT) and low-order thinking (LOT). Higher-order thinking is defined as the extensive use of logic to create or learn something new. To uncover viable answers in novel circumstances, higher-order thinking requires the capacity to use and change incoming knowledge.

Through the application of constructivist thinking in the classroom, the learning approach known as "discovery learning" encourages students to advance their knowledge on their own. Some learning objectives are created throughout the learning process. To meet learning objectives, a teacher must be innovative and persistent in adapting the instructional model to the subjects covered. One of the best models for enhancing students' reasoning skills is the discovery learning approach.

## **2. Method**

The research methodology refers to the process of examining the problem that has been created using a particular approach; since this research focuses on the process, a qualitative research approach was used. The data of this research is not in statistical form. The results of data analysis and descriptive forms collect information related to data collection by observation and documentation.

The research conducted in this study is descriptive qualitative, partly observation and documentation data collection methods for research. the subject of this research is a junior high school English teacher in a YouTube video. The instructor of this research used data

reduction, data presentation and conclusion drawing approaches in data analysis. This research involved a learning video that was researched, which used documentation and observation instruments.

Since the focus of this research is on process, a qualitative research approach was used. The data of this research is non-statistical. The results of the data analysis and description forms gather pertinent information. This research method includes data collection, which is often done in the participant's environment, and inductive processing of data developing from specifics to broader themes and the researcher's assessment of the significance of the data[[5]]

Research data was obtained from the HOTS implementation video in teaches English at Junior High School which can be downloaded from you tube. The first video is entitled “Video HOTS Learning English Subject Middle School” from <http://youtu.be/V71FeqWVHAw>.

### 3. Findings

#### Data Description

The research data was collected from analysis in a video from YouTube on May 24 to 27 May 2023 this research was shown on the subject in the video, namely a teacher in the video The data was obtained from the process of downloading videos from YouTube watch with a focus on video observation documenting video step by step and through the process of data reduction and data display and finally conclusion

#### Descriptive Analysis

The focus of this research objective is to provide an analysis of teacher learning strategies used in learning videos. So that it can be applied in learning, learning itself can be done directly or indirectly. This research video was taken from YouTube. The important parts of learning analysis activities contained in the video are this is in the learning video on YouTube. <https://youtu.be/V71FeqWVHAw?si=Y5ac9XxehM1DMKek>

1. The teacher activity plan in the learning process video.
2. strategies used by teachers in videos and student activities.

**Table 4.2. Results of Descriptive Analysis**

Category	First Video	Second Video
Pre-Teaching	<ul style="list-style-type: none"> <li>• Prepare lesson plans and learning media well</li> <li>• Deliver learning objectives</li> <li>• Delivering aspects of assessment in working on a worksheet</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare lesson plans and 1 learning media well</li> <li>• Deliver learning objectives</li> <li>• Delivering aspects of assessment in working on a worksheet</li> </ul>

Whilst Teaching	<ul style="list-style-type: none"> <li>• Provide worksheets for students</li> <li>• Using the Discovery Learning model</li> <li>• The learning media used are window shopping</li> <li>• Learning media can train student creativity</li> </ul>	<ul style="list-style-type: none"> <li>• Provide worksheets for students</li> <li>• Using the Discovery Learning model</li> <li>• The learning media used are visual by displaying power point</li> <li>• Learning media can train students' accuracy in observing the power point displayed by the teacher</li> </ul>
Post Teaching	<ul style="list-style-type: none"> <li>• Submission of teacher learning using full English</li> <li>• The language used is easy for students to understand</li> <li>• Good pronunciation the material is delivered coherently</li> </ul>	<ul style="list-style-type: none"> <li>• Submission of teacher learning using Indonesian and English</li> <li>• The language used is difficult for students to understand</li> <li>• Pronunciation is not good The material is delivered coherently</li> </ul>

The design of teacher activities in the learning process video describes several instructors in preparing video-based teaching and learning process materials. for example: a) Designing lesson plan b) Synopsis of the steps learning activity c) Learning Material d) Learning media and tools e) Teaching Method.

The following are examples of several instructors preparing teaching and learning process materials in existing research videos.

The strategy used by the teacher in the teaching video activities in this case carried out by the teacher, namely the strategy applied in teaching and learning in the classroom in the YouTube video there are several that are done such as free activity main activity post activity in all of these things there is already a summary of the activities carried out by the teacher taught to all students in the class so that all can be easily understood by all students in the class. The strategies applied by teachers in teaching and learning activities are discovery learning strategies using window shopping and one stay three stray activities. This strategy requires students and teachers to be more active in asking questions in classroom learning, as exemplified by dividing groups and dividing existing tasks.

Teaching and learning activities at the pre-teaching, teaching and post-teaching stages are related to the strategic approach used by teachers in teaching. From this research it can be concluded that this activity really motivates students to learn. and can be seen in pre-teaching exercises in the video including brainstorming or stimulus discussions and text discussions.

The teaching stage is an important point in teaching and learning carried out by the teacher, which can be seen from the learning videos studied where the teacher is the subject. In the video the teacher has carried out these stages and you can see the teacher giving questions which all students answer randomly. These activities make children active in teaching and learning and increase learning motivation.

This research involves several things such as discovery learning, HOTS teaching and several applications of methods in existing research. so that we can see the application of teaching and learning in the video. The research learning video itself was obtained from a YouTube video with Romi Siswanto's account

#### 4. Discussion

Based on the findings of researchers in the study, it was found that there were several basic strategies used by teachers in the learning videos studied by researchers based on the strategies used, teachers must really understand the strategies in teaching practice and understand several theoretical factors and experiences in teaching so that teachers can carry out teaching and learning which can be seen from examples in the video such as pre teaching while post teaching activities. This research is where the teacher is the research subject in the video. In this research video the teacher uses two learning methods, namely the window shopping method and Discovery Learning and includes one stay three stray.

a. The english teacher strategies in teaching english

The English teacher strategies in the teaching English in this case the teacher applies several strategies used in teaching in the classroom organizing students so that the teaching and learning process is very good so that the teacher nurtures all students to understand the material being discussed so that it can motivate students to learn English which is discussing material about narrative text the teacher applies using a discovery learning strategy which adds the Windows shopping method and one stay three stray activity.

1. Discovery learning strategy The findings of the research related to the title of the video entitled Video pembelajaran HOTS mapel B.Ingggris SMP, teachers as one of the most important parts of the success of the learning process, need to understand, train, and an important part of the success of the learning process, teachers need to understand, practice, and apply HOTS to teach HOTS skills.
  - a. Window shopping activity This research shows that it is very correct to use additional window shopping methods, where the teacher organizes and supports all activities in the class. Such as forming groups into several groups and using additional learning media, existing learning videos taken from YouTube for all students to study together.
  - b. One stay three stray activity usually, the One Stay Three Stray approach is used to build concepts. The cooperative learning method is the basis for the language learning strategy used in this research. The results of this investigation are consistent with theory and previous research with this learning technique chosen for use in English language teaching because it emphasizes collaborative efforts between students and teachers to develop understanding, solve problems, find meaning, or produce insightful results.

## 5. Conclusion

Conclusion of this research journal during the discussion in the research there was use of English learning videos from YouTube and teaching and learning activities at the pre-teaching, teaching and post-teaching stages related to the strategic approach used by the teacher, which is the subject researched in the video, namely a teaching teacher. This approach is very efficient plus there is the use of the window shopping activity strategy, one stay three stray. which means teaching and learning carried out using discovery learning and several other methods are well accepted and can be applied anywhere and by other teachers. Based on the explanation above, in the study, some strategies are applied and implemented when teachers teach English in the classroom class.

## 6. References

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