

## **CHAPTER IV**

### **FINDINGS AND DISCUSSION**

#### **A. Findings**

In these findings, the researcher presents findings data related to Teacher roles in implementing technology advances for English learning and Obstacles teacher roles in implementing technology advances for English learning. The researcher carried out initial data collection to the research, using an instrument in the form of an observation sheet to help the researcher collect information related to Teacher roles in implementing technology advances for English learning and Obstacles teacher roles in implementing technology advances for English learning followed by an interview with the class XII English teacher with the initials B as a source of supporting data. The data found by researchers during the research refers to Teacher roles in implementing technology advances for English learning and Obstacles teacher roles in implementing technology advances for English learning. Here are the findings:

##### 1. Teacher roles in implementing technology advances for English learning

Based on observations, researchers have discovered how teacher roles in implementing technology advances for English learning.

a. Facilitator

Based on the results of observations made by researchers on Monday (20/11/2023) at SMA Negeri 3 Banjarmasin in class XII IPS2. When the teacher is in class the teacher becomes a facilitator, here the teacher teaches in class and provides interesting learning facilities, the teacher provides material that is appropriate to the learning and after that the teacher delivers material that is easily accepted by students. Teachers provide learning through current technological advances, including:

1.) YouTube

YouTube is a video sharing community, which means YouTube users can upload and view all kinds of online video clips using any web browser. These videos can be in the form of tutorials, entertainment and so on. Based on observations, teachers use YouTube for lessons taught to students in class. First the teacher opens the YouTube video on the laptop then displays it on the projector, then the teacher explains the lesson in the YouTube video and the students pay attention to the teacher's explanation. When they don't understand what the teacher is explaining, they ask the teacher. Teachers can easily convey or explain lesson material with YouTube, because with YouTube teachers are helped to provide effective and interesting learning, teachers use videos they have made themselves or videos from other people for classroom learning. The teacher explains easily, it is not too difficult and students easily

understand the teacher's explanation because of the learning videos on YouTube. And sometimes students can also open the learning video directly on YouTube using their cellphone to make it easier to view.

## 2.) WhatsApp

WhatsApp is an internet-based application that can be used to send messages, images, videos, voice messages remotely and can also be used to share information and discuss. Based on observations, teachers use WhatsApp to send links. When the teacher gives assignments the teacher can use WhatsApp, Instagram or Kahoot. WhatsApp is used by teachers if the teacher wants to send a link to students via a group on WhatsApp. Teachers send links to students which are shared via WhatsApp, such as links to access Kahoot for assignments or other learning links.

## 3.) Laptops and LCD Projectors

A laptop is a personal computer that can be moved and carried easily so it can be used in many places. The majority of laptops have the same features as computers, such as being able to run software and manage files. However, laptops tend to be more expensive than computers. The benefits of laptops are to support various activities such as making work easier, supporting education, creating various documents, creating designs, making money, editing videos, communicating and storing important data. Based on observations of laptops used by teachers in the classroom. First, the teacher opens the laptop and turns it on. After the laptop is turned on, the teacher

connects the laptop to the LCD and projector to display the lesson that he wants to explain. The teacher uses a laptop connected to an LCD projector and displays material and videos via YouTube. Teachers use YouTube as teaching through the use of a projector. The teacher shows what the material means, both pictures and videos. Teachers provide information to students more easily and students can understand and obtain information more easily because the teacher shows what they are talking about and students can see directly what the teacher means.

#### 4.) Internet

The internet is a computer network that uses internet protocols which are used to communicate and share information within a certain scope. Based on observations, the internet is used to facilitate learning in the classroom.

##### b. Controllers

Based on the results of observations carried out Monday (20/11/2023) at SMA Negeri 3 Banjarmasin in class XII IPS 2. When the teacher is in the class the teacher becomes the controller, here the teacher becomes the class controller. For example, the teacher controls students who sleep, then the teacher controls students who play with cellphones during learning who don't use cellphones and the teacher controls students who don't pay attention during learning. Here the teacher is strict with his students

because to control all students he needs to be firm. If he is not firm then the students will do whatever they want and will not be controlled.

c. Motivator

Based on the results of observations made in class XII IPS 2 at SMA Negeri 3 Banjarmasin on Monday (20/11/2023). When the teacher is in class, the teacher becomes a motivator, the teacher provides motivation and enthusiasm in the middle or at the end of learning. The teacher gave a quote taken from Instagram and based on the environment "when you just buy a pencil it can't become anything, but if it has been sharpened or carved it will function." Like the students in class, they didn't have anything before entering class. -what is it but when it is shaped by a chisel it will form thoughts, behavior and have content. And the teacher gave another quote as a form of motivation, such as "when a statue is carved or shaped, it hurts." The same goes for the students. When students are shaped, they will definitely get sick, but if they are shaped, the students will be good, not say dirty words. And teachers also provide encouragement to students, create a competitive atmosphere in learning, remind students to study well and seriously, remind students to do their assignments well, motivate students to continue practicing using English in communication, encourage students to continue practicing using English and not afraid to make mistakes.

#### d. Examples

Based on the results of observations made in class XII IPS 2 at SMA Negeri 3 Banjarmasin on Tuesday (21/11/2023). When the teacher is in class, the teacher is an example, the teacher in the class from the beginning to the end of the lesson provides a good personal example. Teachers set examples for their students in class, teachers greet and show students, such as those on Instagram, YouTube or others, examples of good behavior, neat appearance and using polite words. Apart from that, teachers also provide real examples for their students as part of their role as teachers. Teachers in the classroom have a neat appearance, such as wearing shoes, wearing clothes according to the specified schedule and wearing clothes tucked in, speaking well and giving material by delivering good words.

#### e. Assessor

Based on the results of observations made in class XII IPS 2 at SMA Negeri 3 Banjarmasin on Tuesday (22/11/2023). When the teacher in the class becomes an assessor, the teacher provides group or individual learning assessments and discussions. In providing learning assessments, teachers use several of today's technological advances, such as:

##### 1.) Kahoot

Kahoot is a website that can provide a fun quiz atmosphere and support classroom learning. Kahoot is used as a learning medium with the help of a laptop and projector. Kahoot requires an internet connection because it can

only be played online and accessed at [www.kahoot.com](http://www.kahoot.com). Based on observations, teachers use Kahoot to give assignments to students. First, the teacher opens Kahoot on his laptop and the teacher looks for questions on Kahoot that are appropriate to their learning, then the teacher sends the Kahoot website link and gives the access code to the students. Then students go to the website and enter the code that the teacher gave them, after that students immediately play Kahoot and answer questions. The teacher sends a link to the Kahoot website that is used via WhatsApp to the students. After that, the students enter the code that the teacher gave them on their cellphones, then the students play Kahoot and the students answer the questions on Kahoot. The teacher saw the activeness of the students who answered the questions through their own Kahoot.

## 2.) Instagram

Instagram is a photo sharing application and takes pictures or photos that apply filters to change the appearance of photo effects and shares them on various social media services. Based on observations, teachers use Instagram for learning assessment by giving assignments via Instagram. Students are assigned to create captions, then students upload their caption assignments on Instagram and tag the teacher, and the teacher will assess the captions they have uploaded. Some of the best captions are taken to motivate other students. The aim of this caption assignment is to increase student creativity.

## 2. Obstacles teacher roles in implementing technology advances for English learning

Based on the results of interviews conducted by researchers, there are several obstacles to teacher roles in implementing technology advances for English learning.

### a. Obstacles in using YouTube

Based on interviews with English teachers as follows:

"I uses YouTube for classroom learning. "Sometimes the problem is making the video , because I have to prepare free time to make the learning video process, but if I just take it from other people's material, it might be easier" (23/11/2023)

YouTube is used by English teachers at SMA Negeri 3 Banjarmasin. However, teachers have several obstacles, including difficulties in making learning videos because teachers need good time management.

### b. Obstacles in using WhatsApp and Instagram

Based on interviews with English teachers as follows:

"Yes, I also uses Whatsapp and Instagram. The problem here is actually with the students, the problem is internal and external. If internally, the problem is with the children, they are late in sending assignments because of quotas. "As for external obstacles, at school it is sometimes networked because WiFi is not free for students and usually WhatsApp and Instagram are used for various other things when at home, but when at school it is focused on studying." (11/23/2023)

Whatsapp and Instagram are used by class XII English teachers at SMA Negeri 3 Banjarmasin. However, there are several obstacles that teachers have, such as children who do not have a quota so they send



assignments late so teachers cannot check all students' assignments and wifi use that is not free and limited.

c. Obstacles in Internet use

Based on interviews with English teachers as follows:

“Yes, I always uses the internet for learning. The problem is that the quota runs out quickly, because at school the wifi is limited to only the office and classrooms close to the office. "The classes from the middle to the end are no longer connected to WiFi, but later the WiFi will be improved and installed in all classes." (11/23/2023)

The internet is used by class XII English teachers at SMA Negeri 3 Banjarmasin. However, there are several obstacles that teachers have, such as limited WiFi and not connecting WiFi to classes in the middle to classes at the end.

d. Obstacles in using Laptops and LCD Projectors

Based on interviews with English teachers as follows:

"The problem is that if the electricity goes out, you can't use the LCD projector, but power outages are also very rare, apart from that so far there have been no other problems, thank God it's running smoothly" (23/11/2023)

Laptops and LCD projectors are used by class XII English teachers at SMA Negeri 3 Banjarmasin. Regarding the use of laptops and LCD projectors, teachers stated that they were able to use laptops and LCD projectors in the learning process. However, teachers have problems if the electricity goes out. Projectors and LCDs cannot be used to display classroom learning.

e. Obstacles in using Kahoot

Based on interviews with English teachers as follows:

"This Kahoot is via the internet, so we have to need smooth internet so that the Kahoot runs smoothly, sometimes the problem is if the class that is far from the office is not connected to wifi because the wifi is connected only in the office and classes that are close to the office only because that is the problem experienced by most wifi networks. And there are also problems with some of the students, the students' cellphones are not up to date." (11/23/2023)

Kahoot is used by class XII English teachers at SMA Negeri 3 Banjarmasin. However, teachers have several problems, including the teacher being hampered by a network that is sometimes not smooth, limited use of WiFi and there are several students whose cellphones are not updated. Here, most teachers only have problems with the internet network because of limited use of WiFi.

## **B. Discussion**

Based on the results of research regarding "Teacher roles in implementing technology advances for english learning" which was carried out in class XII IPS 2 through several activity steps, namely observation, interviews and documentation. With a problem formulation of how Teacher roles in implementation technology advances for english learning and what Obstacles teacher roles in implementing technology advances for english learning. With this, the researcher provides further discussion as follows:

1. How Teacher roles in implementation technology advances for english learning

Based on the list of observation results carried out by researchers, there are five teacher roles in implementing technology advances for english learning, namely Facilitator, controller, motivator, example and assessor.

- a. Facilitator

The teacher becomes a facilitator, here the teacher teaches in class and provides interesting learning facilities, the teacher provides material that is appropriate to the learning and the teacher delivers the material and is easily accepted by students. This is in line with research (Yus & Sari, 2020) A teacher's role as a facilitator in the classroom is one area where they can directly or indirectly provide good service to students. In order to play this role, teachers must be able to recognize and assess the students' learning needs in order to make it simpler for them to teach the material and have it be well-received by them. Another viewpoint claimed that the teacher's role as a facilitator has a lot of significance and manifests itself as a bridge between science and students. Teachers should be able to make students the center of their lessons so that learning peers are connected, and they should also offer suitable media and materials to support ongoing learning processes.

Teachers also become facilitators by providing learning through current technology advances, including:

First YouTube is a video sharing community, which means YouTube users can upload and view all kinds of online video clips using any web browser. These videos can be in the form of tutorials, entertainment and so on. Based on observations, teachers use YouTube for lessons taught to students in class. First the teacher opens the YouTube video on the laptop then displays it on the projector, then the teacher explains the lesson in the YouTube video and the students pay attention to the teacher's explanation. When they don't understand what the teacher is explaining, they ask the teacher. Teachers can easily convey or explain lesson material with YouTube, because with YouTube teachers are helped to provide effective and interesting learning, teachers use videos they have made themselves or videos from other people for classroom learning. The teacher explains easily, it is not too difficult and students easily understand the teacher's explanation because of the learning videos on YouTube. And sometimes students can also open the learning video directly on YouTube using their cellphone to make it easier to view.

Second WhatsApp is an internet-based application that can be used to send messages, images, videos, voice messages remotely and can also be used to share information and discuss. Based on observations, teachers use WhatsApp to send links. When the teacher gives assignments the teacher can use WhatsApp, Instagram or Kahoot. WhatsApp is used by teachers if the teacher wants to send a link to students via a group on WhatsApp. Teachers send links to students which

are shared via WhatsApp, such as links to access Kahoot for assignments or other learning links.

Third, A laptop is a personal computer that can be moved and carried easily so it can be used in many places. The majority of laptops have the same features as computers, such as being able to run software and manage files. However, laptops tend to be more expensive than computers. The benefits of laptops are to support various activities such as making work easier, supporting education, creating various documents, creating designs, making money, editing videos, communicating and storing important data. Based on observations of laptops used by teachers in the classroom. First, the teacher opens the laptop and turns it on. After the laptop is turned on, the teacher connects the laptop to the LCD and projector to display the lesson that he wants to explain. The teacher uses a laptop connected to an LCD projector and displays material and videos via YouTube. Teachers use YouTube as teaching through the use of a projector. The teacher shows what the material means, both pictures and videos. Teachers provide information to students more easily and students can understand and obtain information more easily because the teacher shows what they are talking about and students can see directly what the teacher means.

Fourth, The internet is a computer network that uses internet protocols which are used to communicate and share information within a certain scope. Based on observations, the internet is used to facilitate learning in the classroom.

#### b. Controllers

The teacher becomes the controller, here the teacher becomes the class controller. Such as teachers controlling students who sleep, students who play with cellphones during learning who do not use cellphones and students who do not pay attention during learning. Here the teacher is strict with his students because to control all students he needs to be firm. If he is not firm then the students will do whatever they want and will not be controlled. This is in line with research As a controller, the teacher controls the classroom environment by controlling the students and the content so that learning can take place efficiently. The teacher's personal control over the classroom environment includes how the teacher manages the conditions as well as responsibility for the application of learning In order to foster communication, the teacher gives the class rules that emphasize what is and is not acceptable. (Ratminingsih, 2017).

#### c. Motivator

The teacher becomes a motivator, the teacher provides motivation and enthusiasm when in the middle or at the end of class learning. The teacher gave a quote taken from Instagram and based on the environment "when you just buy a pencil it can't become anything, but if it has been sharpened or carved it will function." Like the students in class, they didn't have anything before entering class. -what is it but when it is shaped by a chisel it will form thoughts, behavior and have content. And the teacher gave another quote as a form of motivation, such as "when a statue is carved or shaped, it hurts." The same goes

for the students. When students are shaped, they will definitely get sick, but if they are shaped, the students will be good, not say dirty words. And teachers also provide encouragement to students, create a competitive atmosphere in learning, remind students to study well and seriously, remind students to do their assignments well, motivate students to continue practicing using English in communication, encourage students to continue practicing using English and not afraid to make mistakes. This is in line with research (Sabaniah, 2021) The teacher's function as a motivator, or supporting struggling students, is using phrases like "great" or "good job" to acknowledge students' learning efforts can help them feel appreciated, which will have a beneficial effect on their learning and make the experience more enjoyable

According to a different viewpoint, motivating and encouraging pupils while they are learning would help them respond positively to their studies. One of them is assisting students in choosing the appropriate method of learning so that they may quickly grasp the subject matter being studied (Ora & Mursalin, 2021).

#### d. Examples

The teacher is an example, the teacher in the class from the beginning to the end of the lesson provides a good personal example. Teachers set examples for their students in class, teachers greet and show students, such as those on Instagram, YouTube or others, examples of good behavior, neat appearance and using polite words. Apart from that, teachers also provide real

examples for their students as part of their role as teachers. Teachers in the classroom must look neat, such as wearing shoes, wearing clothes according to the specified schedule and wearing clothes tucked in, speaking well and giving material by conveying good words, being cheerful. and enthusiastic.. This is in line with research (Lian, et al., 2020) Being a teacher involves shouldering full responsibility for the education of students, from morality to skill. Teachers also need to act as role models for students both inside and outside of the classroom, as students will be watching their behavior. It is preferred if teachers can maintain their composure in front of students. Based to another view, teachers should be able to act in a way that is consistent with Pancasila values and pay attention to everything they do, both inside and outside of the classroom. They should also adhere to social norms and follow established limits. It is intended that it will serve as a model and role model for the students (Wardan, 2019). Teachers serve as examples for pupils by showing good deeds and courteous behavior as well as by using inclusive language to project a professional image while imparting knowledge to their students and show yourself with broad insight give rise to new thoughts within learning so as to create a learning atmosphere more fun and effective in delivery (Marjuni & Suban, 2020).

e. Assessor

The teacher becomes the assessor, the teacher provides group or individual learning assessments and discussions. The teacher gives assignments to students, collects student learning outcomes and evaluates the extent of the



material obtained by students. This is in line with research (Ratminingsih, 2017) The teacher serves as an assessor by evaluating learning to ascertain the extent to which students can understand the material that has been delivered. The teacher then corrects students' responses, collects them for repair, and follows up to find a suitable solution to help students reach their learning objectives.

According to a different viewpoint, the teacher also serves as an assessor, gathering data on the students' attainment of learning objectives. This is done by the teacher to determine how many students comprehend the material that has been taught in class, allowing the teacher to decide which course of action is appropriate in solving the problem at hand (Nomawati, Anwar , & Indramaya, 2019).

Teachers here for assessment also use some of today's technology advances, such as:

First Kahoot is a website that can provide a fun quiz atmosphere and support classroom learning. Kahoot is used as a learning medium with the help of a laptop and projector. Kahoot requires an internet connection because it can only be played online and accessed at [www.kahoot.com](http://www.kahoot.com). Based on observations, teachers use Kahoot to give assignments to students. First, the teacher opens Kahoot on his laptop and the teacher looks for questions on Kahoot that are appropriate to their learning, then the teacher sends the Kahoot website link and gives the access code to the students. Then students go to the website and enter the code that the teacher gave them, after that students immediately play Kahoot

and answer questions. The teacher sends a link to the Kahoot website that is used via WhatsApp to the students. After that, the students enter the code that the teacher gave them on their cellphones, then the students play Kahoot and the students answer the questions on Kahoot. The teacher saw the activeness of the students who answered the questions through their own Kahoot.

Second Instagram is a photo sharing application and takes pictures or photos that apply filters to change the appearance of photo effects and shares them on various social media services. Based on observations, teachers use Instagram for learning assessment by giving assignments via Instagram. Students are assigned to create captions, then students upload their caption assignments on Instagram and tag the teacher, and the teacher will assess the captions they have uploaded. Some of the best captions are taken to motivate other students. The aim of this caption assignment is to increase student creativity.

## 2. What Obstacles teacher roles in implementing technology advances for english learning

First, in using YouTube teachers have obstacles in the form of making learning videos, lack of time in the video making process and teachers have to prepare free time. In line with research (Baihaqi, et al 2020) he explained that the obstacles in implementing video media are the teacher's skills in making learning videos, video media facilities, video language, time allocation, and video objects. The next obstacle experienced by teachers when using YouTube

media is the allocation of time, facilities, internet network connections, and students.

Second, teachers use WhatsApp and Instagram in the learning process in class. Use WhatsApp to send links and Instagram to create tasks. The obstacles experienced here by students are because the use of wifi at school is not free for students so that students are late in sending assignments and students do not have quotas so teachers cannot correct students' assignments simultaneously.

Third, the use of the Internet in the classroom learning process has been used by teachers. Use of the Internet for learning in the classroom. The obstacles experienced by teachers in using the Internet are quotas that run out quickly, wifi at school that is not evenly distributed in all classes, which are only in the office and classes that are near the office. In line with Suwanti's research (2016:7), there is interference from the internet network which causes obstacles for teachers to find material according to what will be taught, this is because in making learning media using the internet, teachers rely on the internet network at school.

Fourth, teachers use laptops and LCD projectors for classroom learning to display material so that all students can see the material provided. The problem experienced by teachers when there is a power outage is that the LCD projector cannot be used. In line with Hujair AH Sanaky's research, the weakness in using LCD projectors is that they cannot be used if there is a power outage.

Fifth, teachers use Kahoot in the classroom to give assignments. The teacher gives assignments via Kahoot to see students' activeness in answering the questions given. However, there are several obstacles that teachers have in using Kahoot, including the network which is sometimes not smooth, limited use of WiFi and some students whose cellphones are not updated so they cannot open Kahoot on their handphones.