

## **CHAPTER IV**

### **FINDINGS AND DISCUSSION**

#### **A. Findings**

There are two statements of the problem that have to answer in research. The first is the use of Exambro application as technology media for English examinations at MAN Kapuas and the second is the perception of students' and teacher about Exambro application as technology media for English examinations.

##### **1. The use of Exambro application as technology media for English examinations at MAN Kapuas**

In MAN Kapuas English teacher use the Exambro application as a technology media for English examinations. In collecting data in this section the researcher used observation and interview. The researcher conducted three times observations in this study. In this study the teacher conducts a simulation class on examinations, so that researcher can see firsthand how to use the Exambro application in examinations. The researcher also conducted interviews with teacher who used the Exambro application to know more about the use of Exambro application in this study. The researcher also took several pictures when the teacher and students conducted an exam simulation class using the

Exambro application. For more details the process of observation and interviews conducted by researcher can be seen in the appendix.

To get data and answer this research question. The researcher used observations and interviews with the teacher. The researcher conducted three observations in teacher class, namely in class XII IPA 2, XII IPS 3, and XII PAI, and interviewed teacher directly. The researcher only made three times observations because the data obtained from the three times observations were considered sufficient by the researcher. By making three times observations, the researcher can conclude the answer to this research question. Starting from the first observation to the third, the data obtained does not change anymore. The researcher also interviewed teacher to strengthen the data obtained from observations.

In this observation, the teacher held three times simulation classes. The first observation was made in class XII IPA 2, Friday, July 26<sup>th</sup>, 2019. Before the simulation class was held the teacher had already informed the students of class XII IPA 2 four days before the simulation class was held to bring their respective smartphones. The first thing the teacher did for the implementation of this exam simulation class was the teacher prepared a laptop, exam questions, Wi-Fi, and others devices for the needs that are done at the time of the exam. The researcher listened directly to how to use the Exambro application in the English exam. After everything has been prepared, the teacher invited students to activate their smartphones

and connect to Wi-Fi that has been specifically provided by the school, after they connected Wi-Fi to their smartphones, students are asked by the teacher to open the Exambro application that they have previously downloaded. Before students log in to the application, the teacher gave the test participant code to each student who takes the exam simulation class. This code was made specifically from the school and directly connected to the server or the teacher who uses the application. After they log in to the application, the teacher explained the rules and so on in the exam through the application. After the teacher explained that, students are immediately asked to work on the exam questions with a predetermined time.

The second observation was made in class XII IPS 3, Wednesday, July 31<sup>st</sup>, 2019. Four days before the exam simulation class was held the teacher informed the class XII IPS 3 students to bring their own smartphones. The thing that was done by the teacher was the same as what was done when carrying out the exam simulation class in class XII IPA 2. The third observation was done in class XII PAI, Friday, August 2<sup>nd</sup>, 2019. In this class two days before the simulation class the teacher exam informs to students to bring their own smartphones. During the exam they were prohibited from cheating such as cheating and others. Students were also prohibited from opening applications or other features besides the Exambro application, because if they open an application or other features other than the application then students will automatically

exit the application, and if they want to re-enter the application they will enter the code again and answer the question exam from the first again.

In this observation, the researcher found that the Exambro application was used as a media technology tool for the English examinations. With the exam using this application the teacher was easier to supervise exam participants, where teacher could monitor only through a laptop, because only through the laptop screen only teacher could find out how far the students are working on the exam questions. The form of the questions in the English exam was the same as the form of the exam questions in general, namely multiple choices. Following are some figures related to the use of the Exambro application in the English exam at MAN Kapuas.

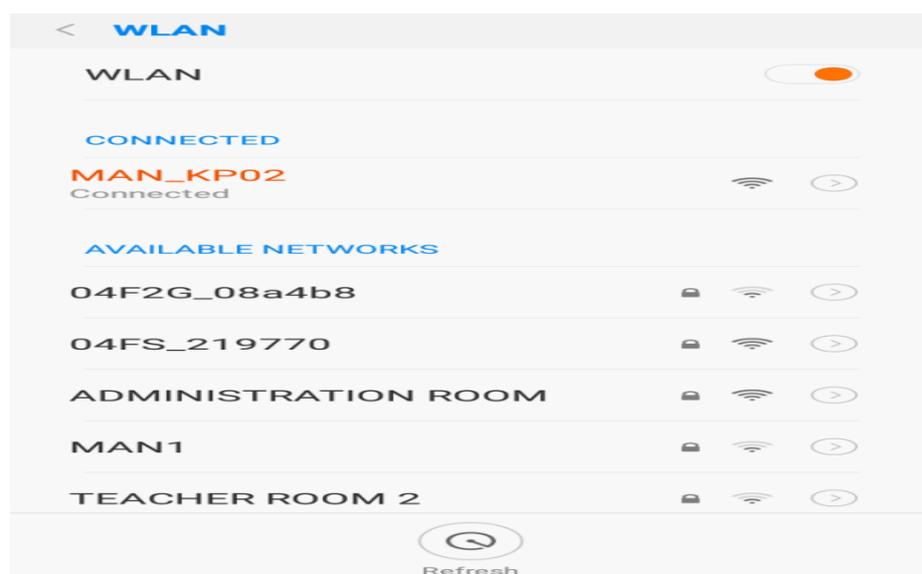


Figure.4.1. Connecting to Wi-Fi



Figure.4.2. Enter IP address/Server address

Based on the results of researcher observation, the first step taken by students is to connect cellular networks to Wi-Fi provided by the school. After students connect to the Wi-Fi network, students were asked by teacher to open the Exambro application, and were asked to enter an IP address / server address.

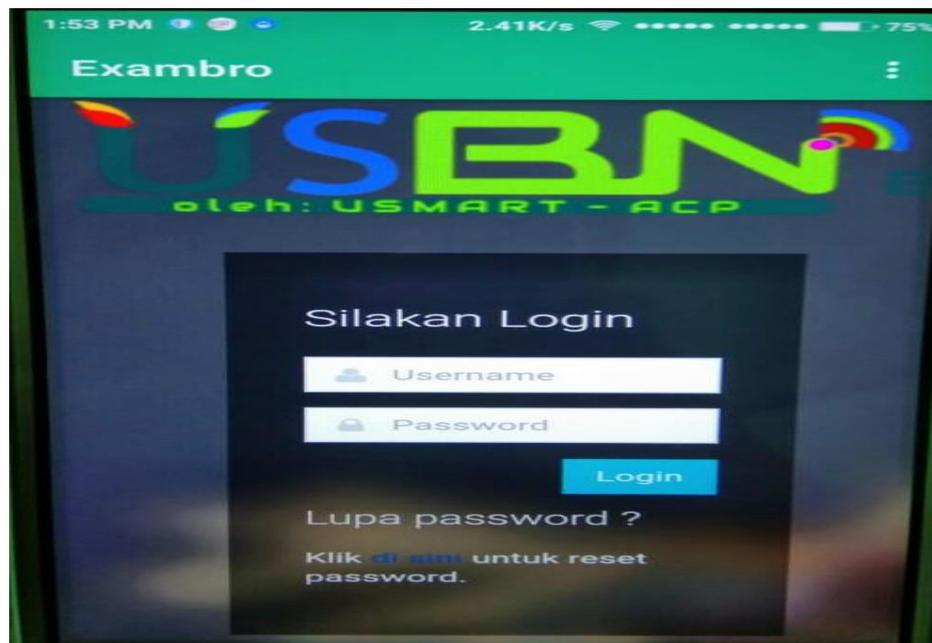


Figure.4.3. Login from smartphone student

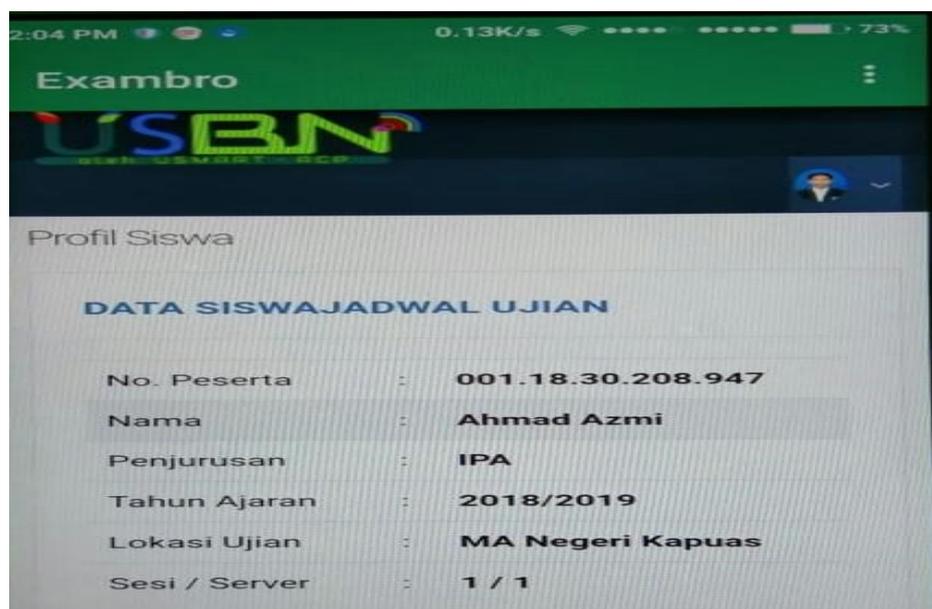
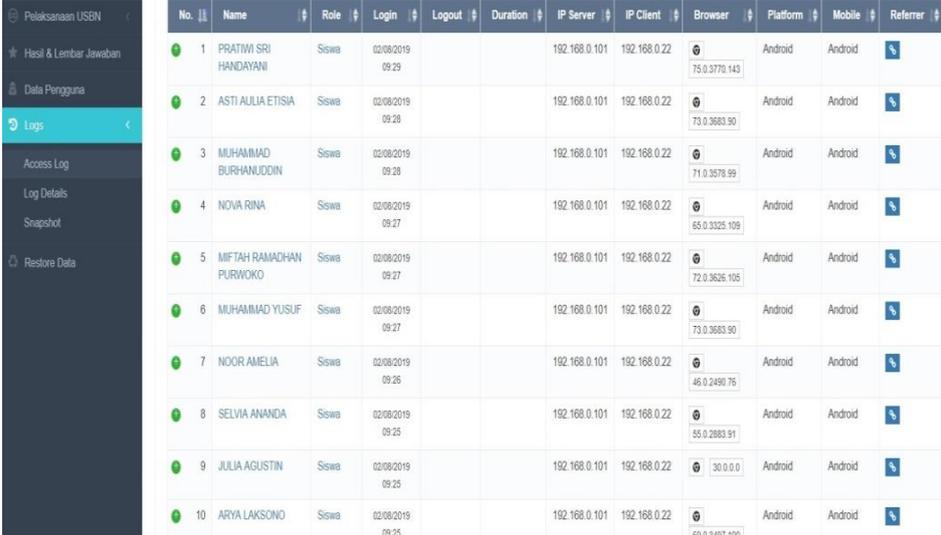


Figure.4.4. Student data exam schedule

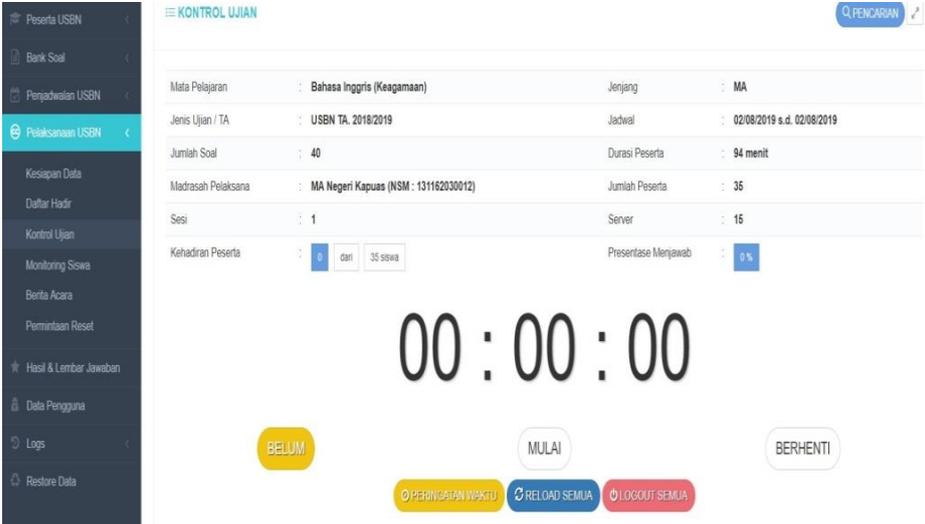
After students finish entering their IP address / server address, students were asked to enter their respective username and password that have been given by the teacher. After students enter their username and password, students could view their respective

profile data, and could also directly work on the exam questions. It could be offline if they want to do the exam.



No.	Name	Role	Login	Logout	Duration	IP Server	IP Client	Browser	Platform	Mobile	Referrer
1	PRATIWI SRI HANDAYANI	Siswa	02/08/2019 09:29			192.168.0.101	192.168.0.22	75.0.3770.143	Android	Android	
2	ASTI AULIA ETISIA	Siswa	02/08/2019 09:28			192.168.0.101	192.168.0.22	73.0.3683.90	Android	Android	
3	MUHAMMAD BURHANUDDIN	Siswa	02/08/2019 09:28			192.168.0.101	192.168.0.22	71.0.3578.99	Android	Android	
4	NOVA RINA	Siswa	02/08/2019 09:27			192.168.0.101	192.168.0.22	65.0.3325.109	Android	Android	
5	MIFTAH RAMADHAN PURWOKO	Siswa	02/08/2019 09:27			192.168.0.101	192.168.0.22	72.0.3626.105	Android	Android	
6	MUHAMMAD YUSUF	Siswa	02/08/2019 09:27			192.168.0.101	192.168.0.22	73.0.3683.90	Android	Android	
7	NOOR AMELIA	Siswa	02/08/2019 09:26			192.168.0.101	192.168.0.22	46.0.2490.75	Android	Android	
8	SELVIA ANANDA	Siswa	02/08/2019 09:25			192.168.0.101	192.168.0.22	55.0.2883.91	Android	Android	
9	JULIA AGUSTIN	Siswa	02/08/2019 09:25			192.168.0.101	192.168.0.22	30.0.0.0	Android	Android	
10	ARYA LAKSONO	Siswa	02/08/2019 09:25			192.168.0.101	192.168.0.22	69.0.3497.100	Android	Android	

Figure.4.5. Login to use application in exam



**KONTROL UJIAN**

Mata Pelajaran : Bahasa Inggris (Keagamaan)      Jenjang : MA

Jenis Ujian / TA : USBN TA. 2018/2019      Jadwal : 02/08/2019 s.d. 02/08/2019

Jumlah Soal : 40      Durasi Peserta : 94 menit

Madrasah Pelaksana : MA Negeri Kapuas (NSM : 131162030012)      Jumlah Peserta : 35

Sesi : 1      Server : 15

Kehadiran Peserta :  dan 35 siswa      Presentase Menjawab : 0%

**00 : 00 : 00**

BELUM      MULAI      BERHENTI

PERINGATAN WAKTU      RELOAD SEMUA      LOGOUT SEMUA

Figure.4.6. Early control at the time of the exam

After all students who took the exam have logged into the Exambro application, teacher could directly control students through a laptop or computer screen. Including teacher could see the test time has been set, which is 90 minutes.



The screenshot shows the 'MONITORING SISWA' interface. On the left is a dark sidebar menu with options: Peserta USBN, Bank Soal, Penjadwalan USBN, Pelaksanaan USBN (highlighted), Kesiapan Data, Daftar Hadir, Kontrol Ujian, Monitoring Siswa, Berita Acara, Permintaan Reset, Hasil & Lembar Jawaban, Data Pengguna, Logs, and Restore Data. The main area has a search bar and a table with columns: #, Siswa, Status, Mulai, Sisa Durasi, Suspend, Selesai, Terjawab PG, and Hasil PG. The table contains 5 rows of student data.

#	Siswa	Status	Mulai	Sisa Durasi	Suspend	Selesai	Terjawab PG	Hasil PG
1.	ASTI AULIA ETISIA 298.18.30.208.947 MA Negeri Kapuas	Sedang Ujian	02/08/2019 09:29	87			3	5
2.	MIFTAH RAMADHAN PURWOKO 308.18.30.208.947 MA Negeri Kapuas	Sedang Ujian	02/08/2019 09:29	87			5	7.5
3.	MUHAMMAD BURHANUDDIN 309.18.30.208.947 MA Negeri Kapuas	Sedang Ujian	02/08/2019 09:29	92			16	12.5
4.	NOVA RINA 313.18.30.208.947 MA Negeri Kapuas	Sedang Ujian	02/08/2019 09:29	87			6	12.5
5.	PRATIWI SRI HANDAYANI 318.18.30.208.947 MA Negeri Kapuas	Sedang Ujian	02/08/2019 09:29	87			3	2.5

Figure.4.9. Early control at the time of the exam

The screenshot shows the 'HASIL & LEMBAR JAWABAN SISWA' interface. The sidebar menu is the same as in Figure 4.9, with 'Hasil & Lembar Jawaban' highlighted. The main area has an 'Export' button, a search bar, and a table with columns: #, Mapel, Nama Siswa, Waktu, Terjawab PG, Hasil PG, and LJS. The table contains 5 rows of student results.

#	Mapel	Nama Siswa	Waktu	Terjawab PG	Hasil PG	LJS
1.	Bahasa Inggris USBN	ASTI AULIA ETISIA 298.18.30.208.947	02/08/2019 09:29 02/08/2019 10:04	40	60	
2.	Bahasa Inggris USBN	MIFTAH RAMADHAN PURWOKO 308.18.30.208.947	02/08/2019 09:29 02/08/2019 09:54	40	47.5	
3.	Bahasa Inggris USBN	MUHAMMAD BURHANUDDIN 309.18.30.208.947	02/08/2019 09:29 02/08/2019 09:54	40	35	
4.	Bahasa Inggris USBN	NOVA RINA 313.18.30.208.947	02/08/2019 09:29 02/08/2019 10:02	40	52.5	
5.	Bahasa Inggris USBN	PRATIWI SRI HANDAYANI 318.18.30.208.947	02/08/2019 09:29 02/08/2019 10:02	40	42.5	

Showing 1 to 5 of 5 entries (filtered 1 from 55 total entries)

Figure.4.10. Control results after the exam is complete

LAPORAN HASIL PENILAIAN PER SISWA

NO	PERTANYAAN	JAWABAN		HASIL AKHIR
		BENAR	SISWA	
10.	<p>Ira : Congratulation on your success in the drama performance yesterday evening! It was really amazing!</p> <p>Glenn : Thank you. It was teamwork and it would not have been success without cohesiveness.</p> <p>Ira : yes, and your team proved it! Anyway, who was the scriptwriter?</p> <p>Glenn : I was, of course with the others' help.</p> <p>According to Glenn, what determined the success of the performance?</p> <p>A. Their togetherness</p> <p>B. Their intelligence</p> <p>C. Their hard effort</p> <p>D. His good story writing</p> <p>E. The main character's performance</p>	A	A	V
11.	<p>Hi, I'm Ashleigh from Michigan. Fat talk was all around me and my friends. My friends did it, mom did it, and nobody really stopped to think how all the negativity affected people. I always compared myself to the models in magazines and the celebrities on television---I would pick out all the things that made me different from them and feel as though I wasn't pretty. I think the media definitely had a lot to do with my own negative thoughts about body image. There were no plus-size models in the magazine ads and it was still considered a bad thing to be anything but a sample size.</p> <p>Although I think media still has a long way to go in changing the social norms surrounding body image, it is good about yourself, no matter what size you are.</p> <p>"...Nobody really stopped to think how all the negative <u>affected</u> people.(Paragraph 1)</p>	B	C	X

Figure.4.11. Student assessment report

Teacher could control directly through his laptop to what extent the questions were done by students, and also teacher could directly see the results of student grades automatically, so the teacher did not bother anymore to check the results of the answers from students one by one.

Based on interviews conducted by researchers to teachers, researcher obtained data regarding the use of the Exambro application in the English language test, which is teacher explaining that all students are required to download the Exambro application via their respective smartphones. If students have not previously downloaded the Exambro application, students will get an internet

network facility, Wi-Fi provided by the school. This application can not only be used by smartphones, but can also be used on computers, so if there are students who do not have a smartphone, students still take the exam using a computer that has been provided by the school.

When the simulation class was held, teacher said that students had been taught how to use the Exambro application in the exam, teacher was very detailed in explaining how to use this application to students, so when the exam took place, students no longer asked how to use this application during the exam.

In using the Exambro application, there were several parts or features in it. In the Exambro application, the teacher still acts as a teacher, and students still play the role of students. Because in the Exambro application there are only two roles, the first is acting as a teacher, and the second is acting as a student. Because this Exambro application is only used specifically as a technological media for conducting exams only, not for media in daily learning.

In the Exambro application the most important role is the teacher. Because in this application the teacher can see firsthand the answers of the students they have done directly, only by looking at a laptop or computer monitor the teacher can see to what extent the student's work in working on the exam questions.

Teacher said that the Exambro application was only used during the exam, because this application was specifically designed for the implementation of the exam only. Before this application is used during the exam, the teacher first teaches or introduces the Exambro application to students, namely by socializing to students, explaining directly and making simulation classes for the use of this application, so students can better understand firsthand how to use this application during the exam. In using the Exambro application there are no means for gathering tasks and discussions. Because this application is specifically designed for exam use only.

For the use of the Exambro application not only is used for English language test exams, but it can also be for other subjects, depending on the teacher who wants to use the application, and also for the Exambro application not using the internet, but if students want to download the application then the teacher will provide internet access. As long as the Exambro application is active on students' smartphones during the exam, the internet network will be deactivated.

In uploading learning material using the Exambro application used materials that have been taught by teacher to students while learning. In terms of communication, teacher rarely talks or communicates directly to outside the classroom. Teacher

communicates to talk about this application only when he is about to take an exam.

The teacher did not upload student grades in this application, because this application is only used to exam students. Because if this application is used for daily exams the teacher will see the completeness of students, if the grades still do not meet the standards, there will be additional assignments or remedial from the teacher. The teacher always uses the Exambro application at the time of the exam, because it makes it easier for the teacher in terms of supervision and implementation during the exam. The reason teacher chose to use the Exambro application was to avoid cheating, and make it easier in the exam process.

## **2. The perceptions of students' and teacher about Exambro application as technology media for English examinations**

In this study, researcher sought data about students' and teacher perceptions about the use of the Exambro application in English exams, which this research was conducted by giving questionnaires and interviews to students and a teacher. The following is an explanation of students' and teacher perceptions of the use of the Exambro application for English exams.

**a. Students' perceptions about the application of Exambro as technology media for English examinations**

In using the Exambro application for the English exams at MAN Kapuas, researcher also want to know how students understand the use of the Exambro application in the exams. To determine the students' perceptions, the researcher collected data by distributing questionnaires and conducting interviews with several students. For the number of students who were the subjects of this study were 15 students, including 5 students from class XII IPA 2 consisting of 2 boys and 3 girls, 5 students from class XII IPS 3 consisting of 3 boys and 2 girls, and 5 students from class XII PAI consisting of 2 boys and 3 girls students, why the researcher chose several students from this class, the reason being that the researcher only wanted to ask representatives from each department to express their perceptions they are to the use of the Exambro application in conducting exams, and also why only class XII wants to be researched by researcher, because for class XII they have been using the Exambro application for two years in conducting in English exams, which is certainly more experienced in using the Exambro application in the implementation of the exam, compared to classes X and XI.

In class XII IPA 2 there are 32 students consisting of 10 boys and 22 girls. In class XII IPS 3 there were 27 students consisting of 12 boys and 15 girls. In class XII PAI there were 30 consisting of 17 boys and 13 girls. Researcher distributed questionnaires to 89 students from these three classes, and conducted interviews with 15 students, each of which was 5 students from all three classes. 15 of them are willing to be interviewed by researcher.

Researcher conducted interviews outside the classroom when class hours are empty. Where researcher conducted interviews with students in the library at the school. So that at the time of the interview researcher and students can be more focused when the interview took place.

The researcher distributed the questionnaire to all students in this class and asked them to answer the questionnaire based on what they know and what they experience. The researcher distributed this questionnaire on Monday, September 9<sup>th</sup>, 2019, the researcher asked students to return or complete answering questions on the questionnaire on Monday, September 16<sup>th</sup>, 2019. The number of questionnaires distributed by researcher to students was 89 sheets, according to the number of students from the three that class.

The researcher made a questionnaire with 13 statements. The questionnaire consisted of 3 aspects that researcher wanted to know, namely about students' knowledge about the Exambro application, the perceptions of students who agreed to use the Exambro application, and the perceptions of students who did not agree to use the Exambro application. Three aspects that researcher want to know from students through this questionnaire, because in this study the researcher wanted to find out how students' knowledge about the Exambro application and how students understood about using the Exambro application. For this reason, the researcher made this questionnaire consisting of several aspects. The questionnaire can be seen in appendix IV.

For the first aspect, the researcher will explain the statement about the first time you know the Exambro application in MAN Kapuas, most of the statements students answers agree. This means that they do indeed know or recognize the application at MAN Kapuas, and from the statements that have been presented by researcher, students know what an Exambro application is.

Through the questionnaire that was distributed to 89 students, researcher have found the results that in general students already know what an Exambro application is, and

students agree with the use of the Exambro application. For aspects of student knowledge about the Exambro application, researcher found that 98% of students answered yes, and 2% who answered no. Which is this result can be said that more than 90% of students already know what the Exambro application is.

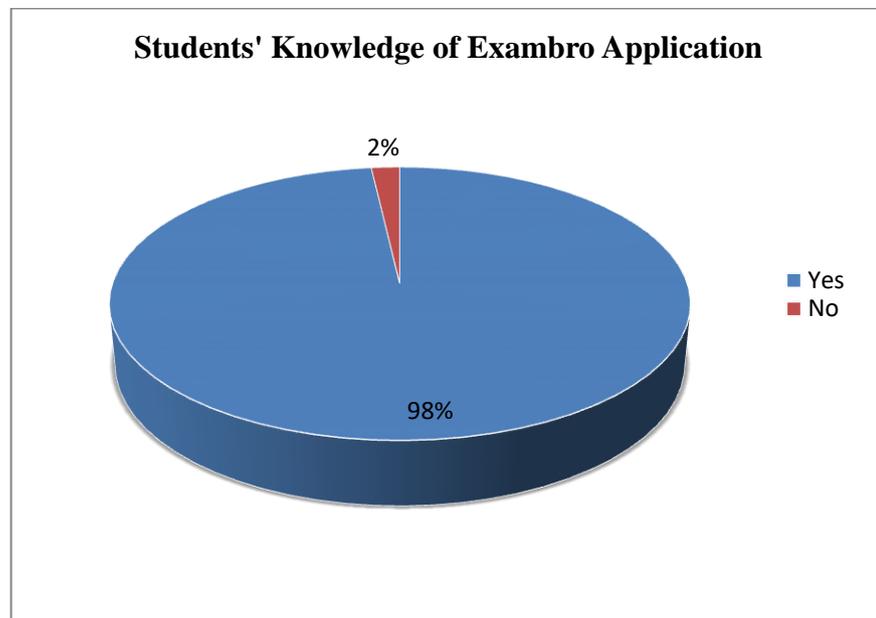


Figure 4.12. Percentage of Students' Knowledge of Exambro Application

Furthermore, for the perception aspect of students who agree to use the Exambro application, researcher have obtained the results of a questionnaire filled out by 89 students, 6% answered strongly agree, 73% answered agreed, 16% disagreed, and 5% strongly disagreed. With this result more students answered according to the use of the Exambro application in the English exam. With this result it can be said that students agree

more if the implementation of the exam using the Exambro application, and students also consider the Exambro application very helpful to them in the implementation of the exam, students also consider that the implementation of the exam using the Exambro application is more interesting, and they feel more happy if the examinations implementation using the Exambro application.

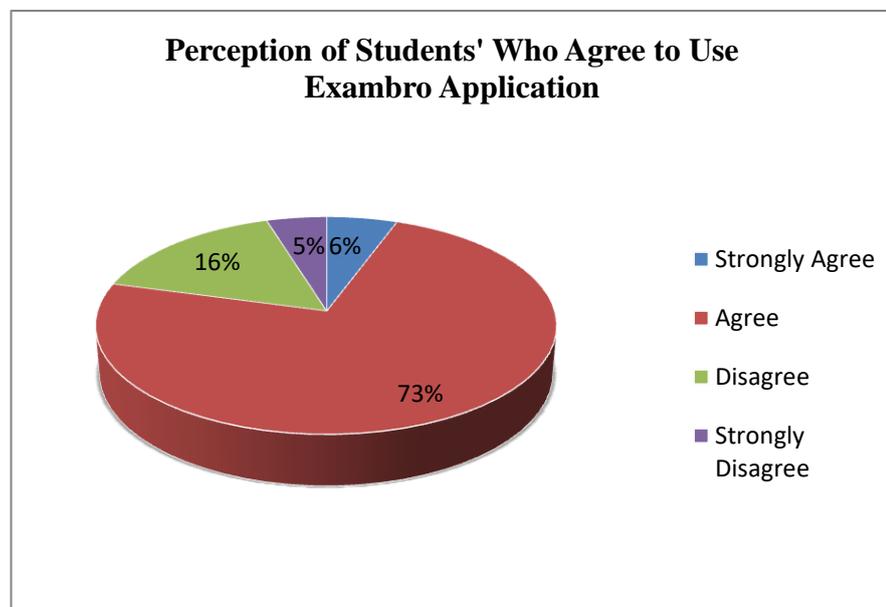


Figure 4.13. Percentage of Students' who Agree to Use the Exambro Application

Next is the last aspect about the perceptions of students that researcher want to know through this questionnaire. Namely about the perceptions of students who do not agree to use the Exambro application, researcher have found the results of a questionnaire filled out by 89 students, the result is 6% of

students answered strongly agree, 11% of students answered agree, 61% of students answered disagree, and 22% of students answered strongly disagree. With this percentage result, it can be concluded that more students stated that they disagreed by not using the Exambro application in conducting the exam.

With this it can be said that many students agree to use the Exambro application in conducting the exam. In addition, with the results of the questionnaire on this aspect, it can be concluded that the Exambro application does not make it difficult for students in conducting the exam, students also feel unhappy with the use of the Exambro application in conducting the exam, and students do not feel burdened by the use of the Exambro application in the examination.

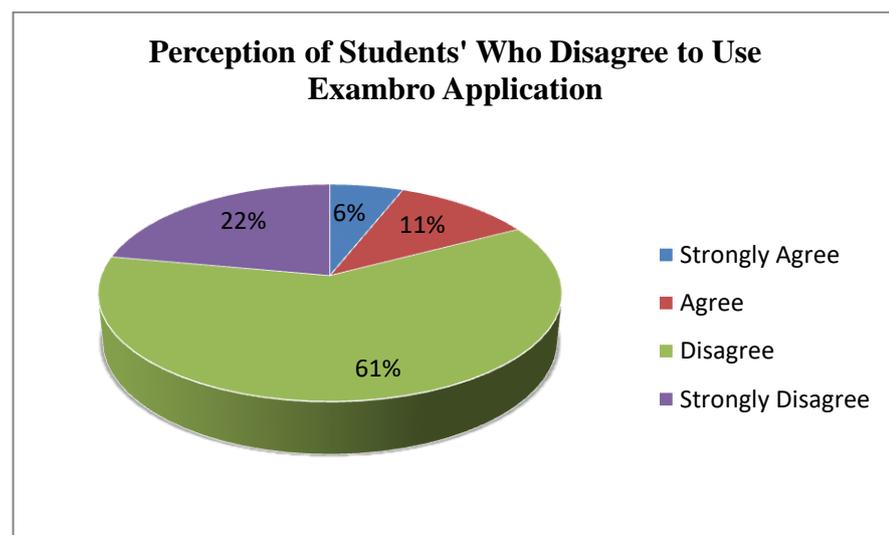


Figure 4.14. Percentage of Perception of Students' Who Disagree to Use the Exambro Application

Based on the above results, it can be concluded that the results of the questionnaire were answered by 89 students, most students more than 90% knew what the Exambro application was, most of them more than 80% agreed with the use of the Exambro application in conducting the exam, and more than 80% of the students also disagreed Exambro application is not used in the implementation of the exams. Which is can be concluded that the use of the Exambro application in the implementation of English exams in MAN Kapuas is not difficult for students, and students feel the use of the Exambro application is very helpful in the implementation of the exams, which students certainly do not bother anymore to bring test equipment, such as pencil, eraser, and the exam board. With this students are only asked to bring their smartphones to the exam. Students also stated that using the Exambro application in conducting the exam was more interesting than using paper, and also students preferred using the Exambro application rather than not. These things are known by researcher through the results of students' answers in the questionnaire given by researcher. With this the researcher finds the results that students like and agrees to use the Exambro application in the examination rather than not using it.

In addition to distributing questionnaires, researcher also conducted interviews with several students to strengthen the data obtained through the questionnaire. The researcher interviewed 15 students out of 89 students, each class was asked by 5 students who were willing to be interviewed. Among them are from class XII IPA 2, XII IPS 3, and XII PAI. Researcher interviewed only 15 students, because according to researcher 15 students alone were enough to represent other students, and before conducting interviews, researcher also asked students who were willing to be interviewed by researcher, and at that time only 15 students were willing to be interviewed that is why only 15 people are willing to be interviewed. In this case, the researcher conducted an interview during recess and was conducted outside the classroom, more precisely in the library. The researcher conducts an interview by stating it first, so students feel comfortable and free to answer questions raised by the researcher.

It can be concluded that from interviews conducted by researcher on 15 students all students have known about the Exambro application, they have known this application since they were in class X semester 2, at the end of the semester they were already using this application. Which is this application is only used for exams only, and cannot be used for the learning

process and so on. Similar to the results obtained by researcher through a questionnaire, more than 90% of students answered they knew what the Exambro application was and also they stated that using the Exambro application in the test.

After conducting interviews and researcher asked students' ability to use the Exambro application, some students answered that they could use the Exambro application but they were not smart when using it. Students can use Exambro in accordance with the instructions given by the teacher to them, because before the implementation of the test is carried out the teacher has given instructions on how to do it through a simulation class that has been carried out previously. But they say that they don't really know what features are in the Exambro application. In contrast to the results of the questionnaire stated by all students, they strongly agreed that they understood how to use the Exambro application. Here there are differences with the results of interviews conducted by researcher that students are not very proficient in using the Exambro application.

The students also said that it was difficult when they wanted to use this application due to several factors, including constraints on the internet connection when they wanted to enter this application, because students were using too much Wi-Fi provided by the school, so this was what made it

hampered the examination process. Even though MAN Kapuas is facilitated with Wi-Fi connection in several classrooms and in every laboratory, but sometimes when using this application the network is still error, not only on the network connection that has an error, but also sometimes this application can also error, like log out by itself, refresh by itself and the answers can be lost. This is inversely proportional to the statements of students in the questionnaire where they state they disagree and strongly disagree that they feel burdened by using the Exambro application, and the Exambro application makes it difficult for them. Both of these statements most students stated strongly disagree and agree.

The students argued that using the Exambro application greatly helped them in conducting the exam, making it easier for them to work on the exam questions, and according to them using the Exambro application made the exam more interesting. The students also said that they were happy to use the Exambro application in conducting the exam, because it made it a little easier for them to bring the exam equipment. This is the same as the statements of students through the questionnaire that they have filled out, most of them stated that they were happy about the implementation of the exam using the Exambro application. They also stated that using the Exambro application in

conducting the exam was also very helpful. But when researcher conducted interviews with 15 students there were 3 students who answered interview questions differently from most of the other students. Three of these students stated that using the Exambro application was a little difficult for them. Because these applications sometimes can error so the exam questions do not come out

The researcher also asked students about whether the Exambro application made it difficult for them in the implementation of the exam, students answered that the Exambro application did not complicate them in conducting the test, because previously for the use of this application it was explained that even made a simulation class directly so that students were easier to use this application on during the exam. Although most of the students in the interview stated that the Exambro application did not complicate them and help them, there were still some students who expressed their disagreement with other students. They feel that the use of the Exambro application makes it difficult for them, sometimes they are not careful when reading the problem, and also the application can suddenly log out by itself. Students' statements about the questionnaire they filled out, they stated that the Exambro application did not complicate them in conducting the exam.

The same is true with the statements of students who were arrested, which stated that the Exambro application helped them in conducting the exam.

In finding data to determine students' perceptions in using the Exambro application in the implementation of the exams, through questionnaires and interviews conducted. The researcher found that most students agreed to use the Exambro application in the implementation of the exam. They also stated that the Exambro application helped them in the exam, and also they stated that there were no difficulties in using the Exambro application. But when interviewed there were indeed differences from some students, but only a few students stated this. They stated that the Exambro application made it difficult for them to administer the exam, because if there were mistakes enough to disturb their concentration in answering the exam questions. In addition they also stated that an internet connection that was error when I wanted to log in to this application also made it difficult for them when they wanted to do the exam questions.

**b. Teacher's perception about the application of Exambro as technology media for English examinations**

In using the Exambro application for the English exam at MAN Kapuas, the researcher also wanted to know how teacher directed the use of the Exambro application in the exam. To determine teacher's perceptions, researcher collected data by distributing questionnaires and conducting interviews with teacher who used the Exambro application in conducting English exams at MAN Kapuas. For the number of teacher who are the subject of this study there is only one teacher, because only one teacher uses this application to do English exams.

In this case, researcher conducted interviews when teacher did not teach or when outside class hours. Where researcher conducted interviews with teacher in the computer laboratory at school, so that during the interview researcher and teacher can be more focused when the interview takes place.

The researcher distributed the questionnaire to teacher and the researcher asked teacher to answer the questionnaire based on the statements made by the researcher, and based on what is known and what experienced teacher when using this application in an English exams. The researcher distributed this questionnaire on Monday, September 9<sup>th</sup>, 2019, and on that day

teacher immediately completed answering the questionnaire given by the researcher.

The researcher made a questionnaire with 9 statements. Similar to students, the questionnaire created by researcher consisted of 3 aspects that researcher wanted to know, namely the first about teacher's knowledge about the Exambro application, the second was the teacher's perception of agreeing to use the Exambro application, and the teacher's perception of not. Agree to use the Exambro application.

For the first aspect, the researcher will explain the statement about teacher's knowledge about the Exambro application, in a statement in this aspect stating that teacher has given instructions to students about how to use the Exambro application, and before directing students about how to use this application, teacher previously knew how to work from this application.

Through a questionnaire distributed by researcher to teacher, researcher has found the results that in general teacher previously gave direction to students and already knew how to work and the features contained in this application.

Furthermore, for teacher's perception aspect to agree to use the Exambro application, the researcher has obtained results

from this aspect through a questionnaire that has been filled out by the teacher. From the results that have been obtained by the researcher through the questionnaire is that teacher strongly agrees to use the Exambro application in conducting the English examinations, and the teacher also considers the Exambro application to be very helpful to teacher in conducting examinations, the teacher also considers that the implementation of exams using the Exambro application is easier, and more interesting than using paper, and does not complicate teacher in conducting English exams.

Next is the last aspect about the perception of the teacher that researcher want to know through this questionnaire, namely about the perception of the teacher in not agreeing to use the Exambro application, researcher have also found the results of the answers to this aspect through a questionnaire that was filled out by the teacher, the teacher stated that strongly disagree if the Exambro application is not interesting to be used in the implementation of the exam, which means that teacher states that using the Exambro application is interesting to use for conducting the English exam.

In addition, the teacher also strongly disagrees if teacher finds it difficult to use the Exambro application in conducting the exam, which means that teacher feels no difficulty in using

the Exambro application in conducting the exam, and also the teacher states strongly disagrees if the teacher feel burdened with the use of the Exambro application for English exams, which means that teacher does not feel burdened by using the Exambro application in the implementation of the exam.

Based on the above results it can be concluded that the results of the questionnaire were answered by the teacher knowing what an Exambro application is and knowing how to use this application, and have already given directions to students on how to use the Exambro application in conducting an English exam. The teacher strongly agreed with the use of the Exambro application in the implementation of the exam, and teacher also expressed strongly disagree if not using the Exambro application in the implementation of the exam.

In addition to distributing questionnaires, researcher also conducted interviews with the teacher to strengthen the data obtained through the questionnaire. The researcher only interviewed the teacher, because only the teacher used the Exambro application in conducting the English exams. While another English teachers still use paper in the English exam. In searching for data to determine teacher perceptions in using the Exambro application in conducting examinations through questionnaires and interviews conducted. In this case it can be

concluded that from interviews conducted by researcher on the teacher, the teacher knew about the Exambro application, namely from how to use it and the features contained in this application. The teacher uses the Exambro application as a technology media for English language tests since 2016 in the second semester. At the end of the semester exams, teacher had started using this application as a technology media for the English exam.

In this interview, the researcher also asked teacher's opinion about using the Exambro application in the English exams, and teacher's opinion was that this application was very useful for the implementation of the test, because it made it easier for students and teachers, if students were easy to work on the questions, while the teacher was easier in supervision and assessment, and according to the teacher this application is very interesting to use in conducting English exams, and teacher also feels very happy to use this application.

When the teacher was asked by the researcher whether he preferred to use the Exambro application in the English exam or not, and the teacher answered that he preferred to use the Exambro application, the reason of the teacher was to avoid student cheating, because the teacher who definitely wanted to get a pure grade result from students. And this application also

does not complicate teacher in conducting the exam, instead it makes it easier for the teacher in conducting the exam.

The researcher also asked teacher about the factors that make it difficult to use the Exambro application in the English exams, the teacher stated that the inhibiting factor of the use of this application is found in electricity, which can sometimes cause unexpected power outages, and the next inhibiting factor is a network connection that has suddenly been lost. This is very inhibiting the process of logging in to this application, and also the teacher is difficult to upload exam questions into this application.

## **B. Discussion**

After the data has been obtained and in the process like the description above, the researcher has written and analyzed the data that has been obtained in the researcher at the above findings. The researcher also knew how to use the Exambro application in English examinations.

According to Retnawati (2017), Exambro is software used in managing Computer Based National Exam (CBNE). This statement is same with researcher found when making observation. Teacher A used Exambro application for doing National Examination. Furthermore, the teacher also used Exambro application for doing Final Semester

Examination (UAS). The teacher said that the Exambro application was only used during the exam, because this application was specifically designed for the implementation of the exam only.

According to Cangara (2006) Media is a tool or means used to convey messages from communicators to the public. In this case the tools or tools used by the teacher in teaching can make students more easily understand each subject matter or whatever is conveyed by the teacher, so they can gain knowledge, and improve students' skills in learning. Based on the writer's analysis statement from the theory above it is known that the statement is in accordance with the results obtained by researchers that the media is a tool or means used by teachers in teaching can make students more easily understand any subject matter or whatever is conveyed by the teacher, but in research it only focuses on exams, not learning.

According to Arikunto (2007), an exam is an activity to find out how high a student's success rate is. In the statement that by conducting tests, the teacher will know how high the ability of students to know or understand the lessons they have learned in school. With the statement of the theory above, it can be stated that the theory is in accordance with the results of the research, namely by holding an exam, the teacher can find out how high the ability of students to know or understand the lessons they have learned in school.

According to Kirana (2017), Exploring secondary school students' perceptions about the effectiveness of applications as a

supporting tool for national examinations. The results showed that students had a positive perception about Quipper with some notes about the need to revisit the functions and user interface according to what was most comfortable for students as users. In this study, the application used is different from the explanation above, this study uses the Exambro application in the implementation of the Final Semester Examinations (UAS). However, the results obtained from the above explanation are the same as the results obtained by researchers when distributing questionnaires and conducting interviews. Most MAN Kapuas students stated that students have positive perceptions about the Exambro application with some notes on the need to revisit the functions and user interface according to what is most comfortable for students and teachers as users.

According to Etfia (2019) Edmodo as a web-based online technology allows students and teachers to post material, share videos and links, grades, notifications, and assignments. Based on the analysis of researcher, the results above are different from the results of the study. In this case, research used the Exambro application in the English test at MAN Kapuas, and the Exambro application is only used for the implementation of the exam, not used in the learning process.

In conclusion, based on the results of research conducted by researcher, it is known that the Exambro application is used by teacher to conduct examinations only, while the results of previous research explained that the purpose of this study is to study the perceptions of

ninth grade students of junior high school about Quipper as an online practice tool for the National Examination Computer-based English, while research on Edmodo as a web-based online technology enables students and teachers to post material, share videos and links, grades, notifications, and assignments. From the above explanation it can be concluded that some of these applications are used with different purposes, including being used as posting material, grades, assignments, and some are used as technological media for conducting national examinations. While the Exambro application is only used for the implementation of the exam, and the exam referred to by the researcher is the Final Semester Examination (UAS) which is carried out at MAN Kapuas.