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Unraveling Challenges: Navigating Online Learning in Historical Studies at High School Level

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ABSTRACT

Purpose of the study: This research aims to find out the problem Which appear on process learning *online* on eye lesson history in Senior High School 3 Jambi City, find out the solutions taken by the school and teachers in overcoming the problems that exist in the *online learning process* in history subjects at Senior High School 3 Jambi City.

Methodology: Researchers apply qualitative research methods, data collection techniques using observation, interviews and documentation. For deep data analysis study This consists from reduction data, *displays* data, take conclusion or verification.

Main Findings: The results of the research conducted show that there are problems in the online history learning process , both caused by schools, teachers and students. The solution taken to overcome this problem was that the school collaborated with parents, teachers and related parties. Next, the teacher takes a policy of using learning applications that do not use up much internet data quota. Meanwhile, students make donations to help economically disadvantaged students in their families so that the learning process can run as an effort to achieve the competencies set out in the curriculum.

Novelty/Originality of this study: This research not only identifies problems that arise during online learning, but also looks for solutions taken by schools and teachers. This approach provides a holistic view of online learning challenges and attempts to provide insight into how to overcome them. Thus, this research provides an in-depth and contextual view of the reality of online learning at Senior High School 3 Jambi City, as well as concrete efforts taken to overcome the challenges faced in emergency situations such as the COVID-19 pandemic.

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1. INTRODUCTION

The learning process is the core of the educational process carried out at each school institution education [1], [2]. How process learning held will influential on learning outcomes and graduates that will be printed by educational units or providers. In the learning process there are several components that are interconnected to create a student learning process, namely curriculum, teachers, sources, media, methods, students and so on which are able to bring about changes in students. learning is a process of effort carried out by a person to obtain a new change in behavior as a whole [3]–[5]. Therefore, a teacher must be able to create a

learning environment that can provide the development of students' knowledge, both classical and non-classical [6]–[8].

Indonesian education system experienced changes exists pandemic virus coronayang has eat Lots victim soul. So from that, Ministry of Education and Culture emit policy through letter circular Number 40 Year 2020 about education system during the pandemic. Among these policies, the ones that have received the most public attention are: process Study from home or online learning (in network). Process Learning that has been carried out through face-to-face processes or in one classroom has changed with utilise product technology information and network internet which need data quota on devices used such as laptops, computers and senior high schoolrtphones [9], [10]. Changes in learning activities require schools and teachers to prepare everything that can be used so that the learning process continues. The provision of facilities and infrastructure, the use of software and applications is a priority for the learning process. Teachers who are less skilled in using technology are ultimately required to master technology [11]–[13]. Likewise students and parents. In the implementation of learning done online no will Can went according to what had been planned because there was a lot to prepare. Online learning implemented in the education system occurred without any preparation, it all just happened as the spread of the corona virus was prevented. Both the government, educational institutions, students and parents never thought that an online learning process would be implemented in their schools [14]–[16]. Online learning can be said Also learning on line, Where something process activity learning Which takes place not face to face, but using tools such as a PC or laptop, and an Android senior high schoolrtphone connected to the internet network.

Online learning is an open and distributed learning system using pedagogical tools (educational tools), which are made possible through the internet and network-based technology to facilitate the formation of learning processes and knowledge through meaningful action and interaction [17], [18]. Process learning is part from task teacher which role as facilitator students for obtain knowledge and a number Skills in accordance with curriculum which valid in school [19]–[21]. So from that, a teacher must capable create condition study so that student can master the competencies set out in the curriculum, which are currently in the learning process done online. Online learning implemented in schools applies to every subject there is in school. Whereas, every eye lesson own difference characteristics, good material and method of delivery one of the subjects taught at high school level is history [22]–[24]. In the learning process, history subjects no only process delivery idea. However help participant educate participate in social and state life, as well as understanding the identity of the nation. One of the history subjects mandatory lessons must be mastered by students, right? only on major Social Sciences However on major science Language Also. In reach This goal is very difficult to achieve if the learning process is carried out online.

All institution education country nor private from school base until Higher education institutions carry out online learning processes. Senior High School 3 City Jambi is one of school favorite for public City Jambi For pursuing education. The results of initial observations through the interview process with history subject teacher revealed that schools which are equipped with learning facilities and infrastructure and WiFi facilities make it easier for teachers and students to access the internet to search for learning resources that support the material. The average student has the facilities provided person old form senior high schoolrtphones android Because economy family classified intermediate to the top. The results of an interview with head of curriculum Feri Oktarni, M.Pd revealed that in implementation process learning online Teacher use help tool technology in the form of applications or software that can connect students and teachers such as whatsapp, video conferencing, classroom, and application other. Specifically in learning history, teacher use the classroom and whatsapp applications for the reason that students already understand their use and do not consume excessive data quota.

Completeness of facilities and infrastructure does not fully guarantee success if there is no planning [25], [26]. This is what is happening now, the implementation of online learning was implemented suddenly without any previous planning or program made by the government or schools. This requires teachers to have knowledge and skills in use tools product technology, as well as teacher also must make every effort to think about what methods to use and what software or applications to support so that learning, especially in history subjects, can take place as well as reach results [8], [27]. Study in accordance What Which has set in in curriculum and what are the objectives in learning history.

Student success in learning can be known through power absorb the teaching material taught to achieve high, good achievement in a way individual nor in a way group. Temporary in learning online , Students' work on assignments given by the teacher cannot be monitored in progress. This is an obstacle so schools must prepare technological equipment adequate for implementing online learning. Initial observations also obtained data in the form of students' final grades which were classified as low because students experienced difficulties in learning, especially in delivering and understanding material in online learning .

This research is in line with research conducted by Handayani [28], those who say that learning delivered face-to-face may not necessarily be well understood by all students, especially in the learning process. delivering material online only through the application without any explanations or examples related to the

material. This research is in line with research conducted by Amran et al [29], those who say that online learning also disturbs students who are focused on learning, resulting in students becoming lazy in studying, and also many students experiencing internet network problems making it difficult to access learning materials provided by the teacher. So it can be said that online learning has not been as effective as expected.

The research is the lack of direct interaction between teachers and students, causing difficulties in understanding historical concepts and a lack of practical experience in exploring the material. Apart from that, technical obstacles such as limited internet access and electronic devices in some areas are also obstacles, creating learning gaps between students who can access material fully and those who are limited, especially in understanding the historical context in depth. Thus, a holistic and inclusive solution is needed to overcome these problems so that the online learning process can be more effective and equitable for all students.

In an effort to increase the novelty of the Online Learning Process in History Subjects at Senior High School 3 Jambi City, it is necessary to emphasize the implementation of innovative strategies and increasing access to technology. Building interactive learning platforms using a variety of digital media, virtual history-based simulations, and engaging online resources can increase student engagement and enrich their learning experiences. Apart from that, intensive training for teachers to master online learning technology and apply interesting methods needs to be prioritized. It is hoped that these steps can stimulate students' interest in history lessons, as well as overcome technical obstacles and improve the quality of online learning at Senior High School 3 Jambi City towards a learning environment that is more dynamic and relevant to current developments.

The urgency of handling problems with the Online Learning Process in History Subjects at Senior High School 3 Jambi City does not only include technical improvement efforts, but also concerns the quality of education and students' understanding of history. Given the importance of history subjects in forming an understanding of identity and cultural values, effective online learning is crucial in ensuring increased historical literacy among students. By overcoming obstacles such as the lack of direct interaction between teachers and students, as well as technical obstacles that hinder equitable access, we can ensure that the young generation at Senior High School 3 Jambi City can gain a deep understanding of history that is relevant to current developments, making them better prepared to face global challenges and contribute to the development of a cultured and knowledgeable society. The aim of this research is to find out the problems that arise in the online learning process in history subjects at Senior High School 3 Jambi City, to find out the solutions taken by the school and teachers in overcoming the problems that exist in the online learning process in history subjects at Senior High School 3 Jambi City.

2. RESEARCH METHOD
2.1. Types of research
This type of research is qualitative research. This qualitative research aims to explore and understand in depth the problems of the Online Learning Process in History Subjects at Senior High School 3 Jambi City. Using an in-depth interview approach and content analysis, this research will explore students' and teachers' experiences in engaging in online learning, as well as document their perceptions of obstacles and potential solutions. Qualitative data obtained from interviews will be analyzed thematically to identify patterns, trends, and nuances that may not be detected through quantitative research methods [30], [31]. The main aim of this research is to provide a holistic picture of the dynamics of the history online learning process at Senior High School 3 Jambi City, with the hope that these qualitative findings can provide in-depth and contextual insights that are useful in designing more appropriate and effective solutions.

2.2. Population and Sample
Research location at Senior High School 3 Jambi City. The research instrument is a test sheet on learning outcomes at the end of each cycle, and guidelines for observing student activities in the teaching and learning process. This research will involve an online survey and in-depth interviews with students and teachers at Senior High School 3 Jambi City to gain a comprehensive view of their experiences in the Online Learning Process in History Subjects. Variables such as level of student participation, teacher-student interactions, and understanding of historical concepts will be measured and analyzed statistically to identify patterns and correlations relevant to the effectiveness of online learning. In addition, in an effort to overcome technical obstacles and gaps in internet access, this research will test the implementation of innovative solutions in the form of more responsive learning platforms and the development of technology-based historical content, as well as evaluate their impact on student learning outcomes.

2.3. Data Collection Techniques
The data collection techniques used are divided into 2, namely qualitative data with the results of classroom observations and documentation studies to strengthen quantitative data, and quantitative data by distributing test sheets in each cycle and quantitative data. The technique of collecting data by conducting tests is

one of the methods commonly used in the educational context to measure students' understanding, knowledge and skills. Tests are usually carried out in the form of questions or assignments designed to test understanding and application of subject matter. It is important to design questions that are relevant, clear, and appropriate to the expected level of student understanding. In addition, it is necessary to consider factors such as fairness, validity, and reliability in the collection and analysis of test data.

2.4. Data analysis technique

Research methods are the various ways researchers use to collect research data. The methods in question are observation, interviews and documentation studies. Data analysis in this research was carried out when the data was collected as a whole, adjusted, systematized, and interpreted logically for the sake of data validity. The researcher tried to re-describe the data that had been collected regarding the problems of online learning in history subjects at Senior High School 3 Jambi City.

1. Data Reduction
   Data reduction means summarizing, selecting the main things, focusing on the important things, looking for patterns and themes. This data reduction takes place continuously during research activities.
2. Data Presentation
   Data display means displaying data, namely presenting data in the form of short descriptions, charts, relationships between categories, and so on. The presentation of data that is often used in qualitative research is narrative.
3. Draw conclusions and verify data (Conclusion Drawing/Verification).
   The final step of this model is drawing conclusions and verification.

2.5. Research Prosedure

This investigate method comprises of a few stages, counting arranging, activity, perception, and reflection. To begin with, the arranging arrange includes defining inquire about destinations, selecting inquire about strategies, investigate plan, and collecting and analyzing the information that will be utilized. This is often the stage where the analyst details the steps that will be taken to realize the specified comes about. At that point, the activity organize is the usage of the plans that have been arranged within the arranging organize. This may incorporate actualizing an intercession, collecting information, or actualizing a specific treatment depending on the center of the inquire about. This arrange is the execution of the already arranged inquire about plan. After that, the perception arrange includes watching the method or wonder being investigated. Information is collected agreeing to the investigate arrange, and the comes about of perceptions are utilized to assess the degree to which the inquire about targets are accomplished. Observations can include quantitative estimations, subjective perceptions, or a combination of both. In conclusion, the reflection arrange is the time where the analyst assesses the comes about of the inquire about and the method that has been carried out. This incorporates investigation of information, drawing conclusions, and showing investigate discoveries. Reflection too includes assessing the strategies utilized, recognizing investigate qualities and shortcomings, as well as proposals for assist investigate. By and large, these methods give a precise system for directing inquire about from arranging to last comes about, guaranteeing the unwavering quality and legitimacy of inquire about discoveries and giving a premise for the development of information within the zone beneath consider.

3. RESULTS AND DISCUSSION
3.1 Learning Online On Eye Lesson History in Senior High School Country 3 Cities Jambi

The author has carried out research by applying methods for obtaining data, namely observation, interviews and documentation regarding the problems of online learning in history subjects at State High Schools 3 Jambi Cities obtained the following results:

3.1.1 Planning Learning Online

Planning, when interpreted based on the Ministry of Education and Culture's KBBI, means the process and act of planning. If interpreted simply, planning is an activity to determine what will be carried out in order to achieve what is expected. So, planning is an action related to how to do it, what and who does it process learning. By because That, Teacher need planning learning which is then applied to the online learning process, a concept that is designed in a way organized naturally will very help Teacher in conditioning effective and efficient online learning process. According to Mr. Sodri, a history subject teacher Senior High School 3 Jambi City, said that:

> "*A planning in learning includes the order of activities and steps that must be carried out in order to achieve the goals that have been set, implementing them in the Syllabus and also in the learning implementation plan, then in the Syllabus and learning implementation plan presents methods, techniques, and steps arranged systematically. With the syllabus and learning implementation plan, the learning process can run easily and enjoyable, Syllabus and lesson plan is matter which important in success. The implementation of learning includes achieving the learning objectives to*

be achieved. Learning planning has functions including: as a guide and design learning according to their needs. Therefore, concepts in learning are very important in planning learning."

3.1.2 Implementation of Online Learning in History Subjects at Senior High School 3 Jambi City

The Covid-19 pandemic that has hit countries around the world has had an impact on policy making by the government in an effort to prevent widespread transmission. In Indonesia, one of the policies taken by the government in the education sector is changing the learning system from face-to-face to learning from home or implementing online learning. The issuance of this policy automatically means that various educational institutions in Indonesia, from Early Childhood Education to universities, carry out online learning processes. The sudden implementation of online learning without any preparation caused polemics in society, especially among teachers and people.

Specifically in City Jambi, Wrong One School Intermediate on senior high school, which Being a model school, namely Senior High School 3, inevitably also carries out learning in accordance with the Ministry of Education and Culture's instructions by implementing an online learning system. Online learning implemented by Senior High School 3 Jambi City has been running for more than 1 school year since the start of the Covid-19 pandemic, this is justified by father Representative head school field curriculum from the results of the interview which said that:

"Online learning process policy in schools after the Ministry of Education and Culture instructed through a policy to carry out learning from home by utilizing the internet network or online learning , until now in the first semester schools are still implementing the online learning system ..."

online learning process at the Senior High School level, policies regarding online learning have been

Created, this is in order to ensure smooth running. process learning online. Still according to Father Representative Head School Curriculum Sector Senior High School 3 Jambi City the online learning system policy, he explained that:

"Online learning is carried out using the WhatsApp , Meet, Classroom, Instagram and Zoom applications . During the implementation of learning, it is expected that assignments will be given at each meeting. For collection task student sent via Google that form made by the subject teacher."

Full implementation of online learning at Senior High School 3 Jambi City authority to Teacher eye lesson For manage learning well which does not place too much pressure on students to achieve learning or competency must achieved by student. So, Teacher at least must make a number of a series of activities, namely planning, implementation and evaluation. As an effort to improve capabilities Teacher carry out learning online as well as mastery to technology, schools provide training in the form of In House Training (IHT) to teachers so that they have competence in carrying out online learning . The objectives of In house training (IHT) activities This at Senior High School 3 Jambi City is to improve competence Teacher in learning on line based application in era covid- 19. Para participant in house training get training method use application online learning "Google classroom and Telegram application". With this activity, it is hoped that it can increase the participants' knowledge in using the Google Classroom and Telegram applications, and can make it easier for participants in teaching and learning activities during the Covid-19 pandemic.

As stated by the history subject teacher from the results of the interview regarding online learning as follows:

"...Learning online Which Now applied at least give something impact positive for development competence Teacher in mastering technology Which moment This the more develop, know various applications and their use as well as the benefits that can be used positively for learning..."

Based on Minister of Education and Culture Regulation No. 59 of 2014 Curriculum 2013 11b (senior high school.kemdikbud.go.id) provides an explanation that "teachers who teach subjects (course) History in Senior High School sued own outlook Which wide And competent in learning History. Teachers History Also sued capable convincing to students about the importance of History as an instrument of national character education. History teachers are required to have a national perspective, to develop history thinking For transformed to participant educate in life daily.

From what has been described in the 2013 curriculum above, it presents challenges for teacher history in school intermediate on a Senior High School N 3 in carry out learning process including on teacher eye lesson history in senior high school n 3 city jambi. if the learning process takes place face to face, it can enable a person teacher for capable carry it out. However, exists pandemic virus corona Which hit society in various countries in the world, including Indonesia, so that through the Ministry of Education and Culture in 2020 the government issued a policy in the learning process, namely the learning process which originally took place face-to-face changed to a learning process from home. with the help of an internet network (online learning) . The implementation of online learning cannot be separated from the Learning Implementation Plan that has

been formulated. This can be seen from online learning activities in history subjects at Senior High School 3 Jambi City. From the results of the interview to Teacher eye lesson history is carried out in three stages, namely:

> *"In carrying out the online history learning process, it depends on the teacher which application will be used at each meeting. What is important in the learning process is that there are learning activities such as initial activities carried out by the teacher, core activities, and also closing activities."*

In each learning process there are various teacher and student activities in order to achieve the set goals. These activities will be depicted in the initial, core and closing activities. The results of interviews with history subject teachers of these activities are described as below.

> *"On Activity Beginning process activity learning online started with the teacher give regards, ask condition student, motivating student and sometimes also provides humor, followed by apperception and telling objective Which will achieved in learning. On Core activities, the learning process when using WhatsApp Group starts with the teacher uploading material and asking students to study in duration time Which determined, next ask answer, sometimes teachers send video links related to the material. When using application videos conference like zoom nor google meet, the teacher presents the material, and continues with questions and answers. On activities end, Teacher do reflection to material And give assignment to study material that will be studied at the next meeting so that students can study it first. Followed by motivating students to remain enthusiastic and praying that the Covid-19 pandemic disaster will pass quickly, and closing online learning with greetings".*

On Teacher eye lesson history Which other, obtained data from results interview with Senior High School about activities that done in online learning in history subjects as follows:

> *"In the Initial Activities, the activity starts with greeting the students, ask news, And absent presence student. On Core activities, in the learning process when using WhatsApp Group , I more often started with displays picture Which related material and ask students to look for the picture, and so on until the discussion material is finished. After that, I explained the material to equalize students' perceptions. If you use other applications that are in the form of videos and can display presentation material such as Zoom or Google Meet, the activities are more like assignments that I give for discussion or the results of group work. At the end of the learning activity, I carried out the activity of taking student attendance again but randomly. After that, I gave conclusions and assignments, invited students to remain enthusiastic and prayed that the Covid-19 pandemic disaster would pass quickly, and closed with greetings."*

3.1.3 Evaluation of Online Learning in History Subjects at Senior High School 3 Jambi City

Stage evaluation on process learning online on eye lesson history in Senior High School 3 Jambi City based on the results of interviews with teachers, researchers concluded that the techniques used were in the form of tests and non-tests. Test techniques are carried out in the form of individual assignments, tests, and summaries of material. Meanwhile, non test done with do evaluation observation sheet student work, knowledge, And liveliness student during process learning taking place. However, there is constraint Which faced Teacher moment do evaluation, like from The results of interviews with history subject teachers are as follows:

> *"... sometimes I experience difficulties in assessment, these obstacles are related to students' understanding of the lesson material. At least it has during One year process learning history through online learning , So I not enough understand character student Possible meet never in person, only occasionally when using a video conferencing application."*

3.2   Online Learning Problems in History Subjects at Senior High School 3 Jambi City
3.2.1   Problem Learning Online

Learning is basically a process of conveying information in the form of certain material or knowledge to students student at school by applying various methods so that students can understand and achieve the competencies set out in the curriculum. During the Covid-19 pandemic, problems were faced in learning. This is due to changes in the student learning system, which originally taught face-to-face changed become learning in a way online as solution so that activity learning still going on. The Ministry of Education and Culture adopted this policy as an effort to prevent Covid-19 from spreading to society. The online learning process is a solution, but its implementation will not be optimal due to various obstacles that arise from various parties such as teachers, students, internet networks, and the use of technological tools.

Learning during pandemic Covid-19, in all level education Want to No Want to suddenly the school had to carry out the learning process online. Teachers as the spearhead of implementing learning do not easily carry out online learning because not everyone is ready to carry it out. This is what gives rise to problems in sector

education in Indonesia. So from That, thinking from various party as solution For overcome problematic learning online specifically on eye history lesson .

3.2.2 Problem from Teacher

Online learning process , problems arise not only from students but also subject teachers. This is because in implementing online learning teachers are required to be more creative in processing lesson material and mastering the use of technological tools. Online learning which is implemented at all levels of education has many problems arises either from the teacher, students, and parents of students. Problems that occur is problem technical Which faced by Teacher. Problem Which experienced by teacher is ability use technology in learning online , Because No all Teachers can master various kinds of learning platforms that are used as the main media carry out learning online . So that matter the become problem main for teachers, whether from the process of implementing online learning or the learning outcomes obtained by students from implementing online learning .

From results study Which done in senior high school country 3 city jambi about the problems of online learning in history learning are caused by many factors, as explained by history subject teacher Sodri from the results of the interview as follows:

"...because Teacher Not yet There is preparation For implementation learning online , not choosing a strategy and not being able to use learning media or applications, resulting in online learning it doesn't feel optimal. Plus more processing material that will is displayed "In the form of presentation slides using PowerPoint , if the teacher is not able to create one that combines material and examples, it could be that the online learning process is completely ineffective."

This is the same as what was expressed by the deputy head of schools for curriculum who said:
"Trouble Which experienced by Teacher is ability use technology in online learning , not all teachers can master various platforms learning Which used as media implementation online learning . Problems that occur when online learning takes place include problems in schools where teachers feel less prepared to carry out online learning, online learning media is inadequate. "Not to mention other problems that arise from students, parents and the internet facilities that students have."

Another statement was obtained from the history subject teacher which give explanation related with problem or obstacles faced during online learning as follows:
"...the online learning that I have done still doesn't seem to be effective because I feel there are so many obstacles. The obstacles I feel are teachers not understanding the students' character, teachers not being able to monitor students, and the most difficult thing is that I ensure the results of the work made by students, because I don't Can monitor process the work in a way Certain. And the problem Others may be because not all teachers or students are able to use technology, And No all student capable own mobile phone Which support with applications or media used for online learning and the internet network quota that students must have."

3.2.3 Problem from Student

Online learning will make students enjoy private learning, because students accept material completely to learn, ask and answer with Teacher eye lesson without stare advance direct. Activity the held with the help of technological product devices that require an internet quota network connection so students must have it in order to participate in online learning . This is what is the problem main for student in carry out process learning online especially in history subjects. The results of the interview with the Deputy Principal for Curriculum provide the following explanation:

"Students' problems are usually related to finances, because not all students' parents can afford to buy their children a cellphone. There are students who difficulty in being able to follow the online learning process because of the problem of not having a cellphone or laptop as facility main in online learning . Beside that, a lot student Which No capable buy quota Internet, although Ministry of Education and Culture and a number of providers Already give quota Internet free However Still will continue to buy internet quota."

Similar to what was stated by high school students at Senior High School 3 Jambi City, from the results of the researcher's interview regarding online learning problems , especially in history subjects, the researcher described it as follows:

"...learning history is indeed more interesting, because teachers can take advantage of it videos from YouTube with share to we in form a video link to watch. Even though it happens every once in a while, that's what causes us running out quota Internet And buy Again with cost Alone. That's it also with other subjects".

The results of interviews with other students regarding history learning carried out online at Senior High School 3 Jambi City, the researcher describes as follows:

"...get like pressure in learning online. Because task given by the teacher for each subject with limited time, so I felt like my burden was piling up. "Sometimes if I don't have enough time to do the assignments, I don't do the assignments given by the teacher" by student interview.

Interviews were also conducted with other students to provide feedback regarding problems or obstacles that students faced in the online learning process , especially in history subjects. From the interview as follows: *"That problem I experience very Lots, start from No own mobile phone personal so I must various cellphones with Older brother I am in House, material that made by the teacher I flavor Still monotonous, Lots task Which given, And Which most "It's even sad regarding quotas and networks which sometimes have interruptions or quotas run out in the middle of a lesson."*

Student other give information related with problem learning online in history subjects at Senior High School 3 Jambi City as follows:

"...if For Study history eh according to I not enough interesting, Because Teacher Don't have time For explain material in a way details to we. Although "The teacher makes the material more interesting because there are pictures and historical videos, but we need the teacher's explanation of what we are learning so we can understand better".

Constraint other from results interview with student Which follow learning history online , providing the following information:

"although we stay in city but House we difficult reachable network Internet. So if Teacher give link videos history For watched No Can opened So I couldn't follow the material. But if the material is sent on WhatsApp , then I can follow the lesson".

3.3   Solution Problem Learning Online on Eye Lesson History in Senior High School 3 Jambi City.

Like What Which has revealed from results study about problematic online learning in the above history subjects. Researchers try to find the efforts made by party school, Teacher, And student For look for solution from problem the. Following The results of the interview that the researcher describes are as follows:

"We at the school provide training using technology products that will be used as online learning media. Collaborating with several providers to reduce the cost of purchasing data quotas. Collaborate with students' parents to always monitor their children during the online learning process . Ask teachers not to force students to achieve competency too much. Using an application that is easy to use and saves internet data quota" (Feri Oktarni Interview).

Interview with history subject teachers regarding the solutions taken in online learning as follows:
"I collect the materials in one folder and send them to students at the start of learning. So students can download the material in a way whole And study it every material in accordance the order. So, during each learning session, the students and I just discuss via WhatsApp group ". "At each lesson meeting I provide brief material that uses Language Alone. So No too long And eat quota data I nor student next with discussion or Ask answer". "I provide conclusion material at each meeting in the form of slides , which number around 1 to 3 slides . Followed by questions and answers and discussion. "Sometimes I give assignments to students to do which are collected in the WhatsApp group". Results of interviews with students regarding the solutions they took in the online learning process in history subjects at Senior High School 3 Jambi City, as follows: "Through chairman class in every class we register student Which of course really economically incapable. Then we give out as much as we can every week to friends who want to donate, when we collect the money we buy a data quota package. Usually the class leader buys the quota package in form voucher refillable, So stay Send code number voucher to students who will accept".

Online learning phenomenon that was suddenly implemented in the education system as consequence from effort prevention spread virus covid-19 No can is said to be effective in all schools. The uneven preparation experienced by schools will have an impact on the general implementation of online learning in each subject.

Based on research findings conducted at Senior High School 3 Jambi City regarding The problem of online learning in history subjects has several problems faced. problem the appear from various party like school, teacher, and students as well from various factor which support appearance problem in learning online . learning online which held in senior high school country 3 city jambi is learning which done with utilise network internet or with say other learning is done online . especially in history subjects, the online

learning process uses applications such as whatsapp, Telegram, Classroom, Zoom and Meet. These results are supported by theory which explains that online learning is learning that is carried out online , using learning applications and social networks. This means that this research shows the importance of mastering technology for teachers in the online and offline learning process so that the delivery of material is more interesting for students.

Online learning process that is more important to pay attention to in its implementation is the device and internet network. Based on the results of research that has been carried out, both the school, Teacher nor student endeavor so that can operate application through device used as well as obtain data quota Internet so that still always connected or connected on the network. Student Which in a way economy No or not enough capable, get help form quota vouchers from friends in the same class who made donations. Regarding teacher problems related to technical problems, Senior High School 3 Jambi City took the solution as a solution in the form of training for teachers on how to operate application technology so that teachers can use application networking social as a learning medium. Especially in history learning, the applications used include WhatsApp groups, Telegram and Classroom. Meanwhile, the packaging material takes the form of variations in presentation and implementation.

Findings from research results show that problems that arise from teachers in implementing online learning will be more constrained by technical problems such as problems in operating technological tools that will be used as learning tools online. Like besides that also related with problem evaluation student, Teacher difficulty For know character student Because No in a way direct meet And see on a daily basis. This is supported by the opinion in the book entitled " Offline Learning" , which explains that the negative impact of online learning is that it is difficult for teachers to get to know students' characters more closely. Online learning process that takes place where students study from home requires a minimum device to be used, namely a senior high schoolrtphone or cellphone. This needs to be supported by parents so that students can continue to follow lessons by providing or lending the devices needed to their children to follow the process. learning in a way online. From results study This, there is role person old or Other family members help students participate in online learning so that this becomes motivation for students to study. Providing relief for teachers and students in achieving complete competence in learning is a solution provided by the school in the process of implementing online learning . As well as establishing collaboration with parents, teachers, related agencies and provider companies is policy positive as solution For overcome that problem arise in the implementation of online learning.

The impact of the problems of the Online Learning Process in History Subjects at Senior High School 3 Jambi City is very significant on the formation of students' understanding of history. Obstacles such as the lack of direct interaction between teachers and students and limited access to technology can hinder learning experiences, reduce motivation, and narrow students' understanding of the historical context. In addition, unequal internet access can create a gap between students who can access material in full and those who are limited, creating inequality in learning opportunities. This impact is not only limited to academic aspects, but also includes the development of students' critical and analytical skills. Therefore, improvements in the Online Learning Process need to be implemented immediately to ensure a comprehensive and equitable understanding of history among students at Senior High School 3 Jambi City, so that they can become part of an informed and cultured society.

4. CONCLUSION

Based results study Which done about problematic learning online on eye lesson history in Senior High School 3 City Jambi can withdrawn conclusion that mastery of technological devices by teachers and students is the main problem found in the implementation of online learning , especially in history subjects. Apart from that, delivering material using video conference- based applications will be difficult for students to access because it is related to the smoothness and stability of the internet network. The aim of this research is to find out the problems that arise in the online learning process in history subjects at Senior High School 3 Jambi City, to find out the solutions taken by the school and teachers in overcoming the problems that exist in the online learning process in history subjects at Senior High School 3 Kota Jambi. The online learning process for history subjects at Senior High School 3 Jambi City requires serious attention to ensure the quality and effectiveness of learning is even for all students. Integrative efforts involving schools, teachers and local governments are needed to overcome technical obstacles, increase access to technology, and strengthen interactions between teachers and students in online learning environments. Recommendations for intensive training for teachers in the use of learning technology, development of interesting digital-based historical content, and collaboration with internet service providers to ensure equal availability of internet access throughout the region need to be implemented. In addition, parents' active participation in supporting their children's online learning is an important key. With these steps, it is hoped that online learning in history subjects at Senior High School 3 Jambi City can become

more inclusive, interesting and effective, forming a generation that has a deep and relevant understanding of history.

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REFERENCES

[1] J. C. A. Sandoval-Rivera, 'Environmental education and indigenous knowledge: Towards the connection of local wisdom with international agendas in the framework of the Sustainable Development Goals (SDGs)', *Diaspora, Indig. Minor. Educ.*, vol. 14, no. 1, pp. 14–24, 2020, doi: 10.1080/15595692.2019.1652588.

[2] F. K. Azadboni and S. E. Septi, 'Differences and Relationships on Self-Efficiency and Discipline Character of High School Students', *EduFisika J. Pendidik. Fis.*, vol. 8, no. 2, pp. 233–244, 2023, doi: 10.59052/edufisika.v8i2.27704.

[3] L. Fransiska, I. W. Subagia, and P. Sarini, 'Pengaruh Model Pembelajaran Guided Discovery Terhadap Keterampilan Proses Sains Siswa Smp Negeri 3 Sukasada', *J. Pendidik. dan Pembelajaran Sains Indones.*, vol. 1, no. 2, p. 68, 2018, doi: 10.23887/jppsi.v1i2.17214.

[4] H. Lismayanti, H. Supratno, and S. Yuwana, 'Exploring Teacher's Identity and Reflection of local culture Urang Banjar Gawi Manuntung in a Classroom Interaction Context', *Pegem Egit. ve Ogr. Derg.*, vol. 13, no. 2, pp. 85–91, 2023, doi: 10.47750/pegegog.13.02.11.

[5] K. Adya Winata, A. Hasanah, and U. Sunan, 'Implementasi model pembelajaran interaksi sosial untuk meningkatkan karakter peserta didik', *J. Pendidik.*, vol. 9, no. 1, pp. 22–32, 2021, [Online]. Available: https://unimuda.e-journal.id/jurnalpendidikan/article/view/639/522.

[6] I. Eilks, 'Science education and education for sustainable development - justifications, models, practices and perspectives', *Eurasia J. Math. Sci. Technol. Educ.*, vol. 11, no. 1, pp. 149–158, 2015, doi: 10.12973/eurasia.2015.1313a.

[7] S. Rapih and S. Sutaryadi, 'Perpektif guru sekolah dasar terhadap Higher Order Tinking Skills (HOTS): pemahaman, penerapan dan hambatan', *Prem. Educ. J. Pendidik. Dasar dan Pembelajaran*, vol. 8, no. 1, p. 78, 2018, doi: 10.25273/pe.v8i1.2560.

[8] Crisvin, M. Asbari, and J. V. Chiam, 'Innovate to Liberate : Akselerasi Kreativitas Siswa dalam Pendidikan', *J. Inf. Syst. Manag.*, vol. 2, no. 5, pp. 8–12, 2023.

[9] J. Ferreira, M. Behrens, P. Torres, and R. Marriott, 'The necessary knowledge for online education: Teaching and learning to produce knowledge', *Eurasia J. Math. Sci. Technol. Educ.*, vol. 14, no. 6, 2018, doi: 10.29333/ejmste/86463.

[10] U. H. Salsabila, W. M. Lestari, R. Habibah, O. Andaresta, and D. Yulianingsih, 'Pemanfaatan Teknologi Media Pembelajaran di Masa Pandemi Covid-19', *Trapsila J. Pendidik. Dasar*, vol. 2, no. 02, p. 1, 2020, doi: 10.30742/tpd.v2i2.1070.

[11] O. Autio, J. Jamsek, M. Soobik, and B. Olafsson, 'Technology education in Finland, Slovenia, Estonia and Iceland: The structure of students'' attitudes towards technology', *Int. J. Technol. Educ. Sci.*, vol. 3, no. 2, pp. 95–106, 2019, [Online]. Available: www.learntechlib.org/p/207263/.

[12] I. M. Tegeh, A. H. Simamora, and K. Dwipayana, 'Pengembangan Media Video Pembelajaran Dengan Model Pengembangan 4D Pada Mata Pelajaran Agama Hindu', *Mimb. Ilmu*, vol. 24, no. 2, p. 158, 2019, doi: 10.23887/mi.v24i2.21262.

[13] A. N. Fauziyah, M. Ramadan, P. R. Gumede, and N. Idongesit, 'Development of Physics Learning Media Using Kvisoft Flipbook : Bilingual Digital Books', vol. 1, no. 1, pp. 7–15, 2023, doi: 10.37251/jetlc.v1i1.618.

[14] M. R. Dehkordi, 'The Educational Impact of Traditional Games the Role of Zurkhaneh Sport in Educating Children', *Int. J. Sci. Cult. Sport*, vol. 5, no. 24, pp. 134–139, 2017, doi: 10.14486/intjscs659.

[15] B. D. S. Hetarion, Y. Hetarion, and V. Makaruku, 'Jurnal Teknologi Pendidikan Implementasi Pendidikan Karakter Berbasis Kearifan', *J. Teknol. Pendidik.*, vol. 22, no. 1, pp. 1–12, 2020.

[16] L. Kartina, I. Abamba, and A. J. Aswad, 'Ability Analysis of Providing Explanations and Strategies in Learning Science', vol. 4, no. 3, pp. 88–94, 2023, doi: 10.37251/jee.v4i3.699.

[17] A. D. Dumford and A. L. Miller, 'Online learning in higher education: exploring advantages and disadvantages for engagement', *J. Comput. High. Educ.*, vol. 30, no. 3, pp. 452–465, 2018, doi: 10.1007/s12528-018-9179-z.

[18] D. Rosmalina and M. Zulyanty, 'Dukungan Orang Tua Terhadap Motivasi Belajar Siswa Kelas Unggul', *J. Gentala Pendidik. Dasar*, vol. 4, no. I, pp. 64–75, 2019, doi: http://online-journal.unja.ac.id/index.php/gentala.

[19] H. L. Putri, 'Peningkatan Karakter Kerja Sama Berbasis Layanan Bimbingan Klasikal Dengan Pendekatan Metode Proyek', UNIVERSITAS SANATA DHARMA, 2017.

[20] M. Jannah and J. Junaidi, 'Faktor Penghambat Guru sebagai Fasilitator dalam Pembelajaran Sosiologi di SMAN 2 Batusangkar', *J. Sikola J. Kaji. Pendidik. dan Pembelajaran*, vol. 1, no. 3, pp. 191–198, 2020.

[21] N. I. S. Pratiwi, 'Deskripsi Keaktifan Belajar Siswa Terhadap Mata Pelajaran IPA di SMP Negeri 18 Kota Jambi', *Integr. Sci. Educ. J.*, vol. 1, no. 3, pp. 101–108, 2020, doi: 10.37251/isej.v1i3.77.

[22] M. Kamza, R. Rasnawi, and M. H. Furqan, 'Pendidikan Humanistik Melalui Pembelajaran Sejarah', *Semin. Nas. Peningkatan Mutu Pendidik.*, vol. 1, no. 1, pp. 33–39, 2020.

[23] M. Basri, J. Setiawan, M. Insani, M. R. Fadli, K. Amboro, and K. Kuswono, 'The correlation of the understanding of Indonesian history, multiculturalism, and historical awareness to students' nationalistic attitudes', *Int. J. Eval. Res. Educ.*, vol. 11, no. 1, pp. 369–376, 2022, doi: 10.11591/ijere.v11i1.22075.

[24] M. Firza, H. H. Saeed, and O. O. Peace, 'A Touch of Culture in Learning : Teaching Materials My Food is Healthy and Nutritious for Elementary School', *J. Basic Educ. Res.*, vol. 3, no. 3, pp. 106–116, 2022, doi: 10.37251/jber.v3i3.894.

[25] D. Farhani, 'Manajemen Pendidikan Karakter Melalui Kegiatan Kokurikuler Keagamaan', *J. Isema Islam. Educ. Manag.*, vol. 4, no. 2, pp. 209–220, 2019, doi: 10.15575/isema.v4i2.5619.

[26] U. Hasanah, 'Pengembangan Kemampuan Fisik Motorik Melalui Permainan Tradisional Bagi Anak Usia Dini', *J. Pendidik. Anak*, vol. 5, no. 1, pp. 717–733, 2016, doi: 10.21831/jpa.v5i1.12368.

[27] R. Kustijono and E. Wiwin HM, 'Pandangan Guru Terhadap Pelaksanaan Kurikulum 2013 Dalam Pembelajaran Fisika Smk Di Kota Surabaya', *J. Penelit. Fis. dan Apl.*, vol. 4, no. 1, p. 1, 2014, doi: 10.26740/jpfa.v4n1.p1-14.

[28] D. Handayani, 'Pemanfaatan Youtube pada saat pandemi COVID-19 untuk media pembelajaran Bahasa Inggris dalam meningkatkan vocabulary dan pemahaman siswa', *JUPENDIK J. Pendidik.*, vol. 4, no. 2, pp. 12–18, 2020, [Online]. Available: https://jupendik.or.id/index.php/jupendik/article/view/33.

[29] A. Amran, S. Suhendra, R. Wulandari, and F. Farrahatni, 'Hambatan Siswa dalam Pembelajaran Daring pada Mata Pelajaran Matematika pada Masa Pandemik Covid-19 di Sekolah Dasar', *J. Basicedu*, vol. 5, no. 6, pp. 5179–5187, 2021, doi: 10.31004/basicedu.v5i6.1538.

[30] N. I. Cintia, F. Kristin, and I. Anugraheni, 'Penerapan Model Pembelajaran Discovery Learning Untuk Meningkatkan Kemampuan Berpikir Kreatif Dan Hasil Belajar Siswa', *Perspekt. Ilmu Pendidik.*, vol. 32, no. 1, pp. 67–75, 2018, doi: 10.21009/pip.321.8.

[31] Tolley, *Qualitative Methods in Public health : a Field Guide For Applied Research.* Fransisco: Willey, 2017.