Implementation of Kipin School 4.0-Based Learning Model in increasing Learning Motivation at SDI NU Lawang

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A R T I C L E   I N F O

A B S T R A C T

The focus of this research is on the Implementation of the Kipin School 4.0 Based Learning Model in Increasing Learning Motivation. This research is a descriptive qualitative research with a case study approach. The aim of this research is to be able to fully and thoroughly describe the Kipin School 4.0-Based Learning Model in Increasing Learning Motivation. Data collection techniques used in this study were observation, interviews, and documentation studies. Research informants namely school principals, curriculum department, teachers, and five students as respondents. Data analysis techniques using data analysis Miles and Hubbeman consist of reducing data, presenting data, and drawing conclusions. The results of this study concluded that the Kipin School 4.0-Based Learning Model is very helpful in the learning process in this 4.0 era so that teachers can more easily convey material that is already in the Kipin school 4.0 application.

Introduction

Learning is an educational process in schools with the aim of producing behavioral changes including effective, cognitive and psychomotor. This activity requires participation, activeness and interactive communication between students and teachers in order to produce the specified success.(Rahman 2021) The success of learning in school is determined by the understanding of concepts, mastery of the material and learning achievement of its students. In addition, learning success factors are also determined by teachers with the application of learning models and media used to design learning and plan teaching and learning activities.(Andriani and Rasto 2019) The benefits of learning media itself are to clarify information so that it can improve learning processes and outcomes and can cause motivation to be active in learning.

In the current era of the Industrial Revolution 4.0, challenges in the field of education play an important role in a nation.(Putriani and Hudaidah 2021) Education is a way of developing resource potential by way of teaching. In accordance with article 3 of the Law concerning the function and purpose of national education is to improve the ability and character that is useful and intelligent in the nation's civilization. This goal underlies to improve the quality of education in Indonesia which is carried out by updating learning by applying innovative learning media to increase student learning motivation in order to achieve maximum learning outcomes.(Eko Risdianto 2019) Along with the development of digital technology, the use of effective, innovative and efficient digital-based learning media is needed to improve student learning outcomes.

Based on observations, many students who have smartphones are only used for social media and playing games. Students do not fully understand that smartphones are useful in the world of education, for example, there are many educational applications, especially for class V. This, becomes a challenge for teachers to be able to improve the ability of their students to use smartphones as a learning medium at home. One of the interesting and complete learning media based on Android is utilizing the Kipin School 4.0 educational application.(Afrianti and Mulyadi 2022) This educational application is still rarely used even though it is free, can be used on leptop or smartphone and can be done anywhere.(Afrianti and Mulyadi 2022) This educational application, as a learning medium complete with material in books, videos, practice questions and literacy, is expected to be able to use

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these media at home with fun. The purpose of this research is to increase student motivation at home through the application of Kipin School 4.0 educational media.

Kipin School 4.0 is an android-based educational application that contains K13 learning materials (school textbooks, school learning videos, practice questions and literacy comics), one of which is intended for elementary school and is equipped with an online examination system.(Wafiqoh and Nugraheni 2022) The application of the Kipin School educational application can be done by students at home using electronic devices such as smartphones and leptops.(Sapoetra and Purwaningsih 2020) The advantage of this application is that students will get complete educational materials according to the 2013 curriculum which has been updated every month for free and makes it easier for teachers to assign assignments and can determine the implementation time automatically via smartphones equipped with security so that students do not cheat. This android-based learning has good potential to be used as a learning medium at home because it is effective and can increase student learning motivation. The above problems show the need for research with the aim of knowing the Implementation of Kiping school 4.0-Based Learning Management in increasing Learning Motivation at SDI NU Lawang.

Methods

The research method used in this study is Qualitative Discriptive research to find out related to the implementation of the kipin School 4.0-based Learning model to increase student learning motivation in learning at home. The subjects of this study were students at SDI NU Lawang and conducted on June 15, 2023, this place was chosen because this school applies the kipin School 4.0 Learning Model in supporting the learning process in schools, especially in the era of Digitalization. To get an overview of the learning process based on kipin School 4.0 Researchers conduct direct conservation of how the learning process with the kipin School 4.0 model, the data collection instrument is an interview with the principal, one of the teachers and observation of the implementation of the learning process through the Kipin School 4.0 educational application, while the technical data analysis uses qualitative descriptive analysis techniques and uses achievement criteria as described in the following table:

Table 1: Research Informant Sources

No	Element	Sum	Initials
1	Principal	1	AZ
2	Curriculum Section	2	LM,LD
3	Teacher	5	HD,FR,RK,LK,SH
4	Student	5	AD,DK,LN,LR,LQ

From the table it can be explained that there are thirteen informants consisting of principals, curriculum sections, teachers and students, other data that can support and strengthen research, all data obtained are classified and made taxonomically and reduced according to needs, at the initial stage of data collection, then data reduction is sorted in the form of records, and then carried out by describing the conclusions of the data studied.

Figure 1: Data Collection Process

In the view of Miles and Hubberman, qualitative analysis consists of three paths, namely reducing data, presenting data, and drawing conclusions. Data analysis is performed together during data collection.

Results and Discussion

Media in Latin means intermediary or introduction. According to Gerlach and Ely, media means material, human or events that can make students gain knowledge and skills.(Hamid et al. 2020) While the broad understanding according to Oemar Hamalik learning media is the methods, tools and techniques used to streamline interaction and communication between students and teachers in the teaching process at

school.(Wahyuni 2018) In the current paradigm, the role of the teacher is not as the only source of learning but mostly only acts as a facilitator. And as a facilitator, teachers should be able to facilitate their students so that they can learn wherever and whenever they feel needed. The teaching process will run effectively and efficiently if supported by supporting media. The provision of conducive media is needed for optimal development of student potential because students will be more aroused if there are media that support the student interaction process. The more students are presented with media and infrastructure, the greater the educational value that students can absorb.

With the current advancement of Information Communication Technology (ICT), it is possible for online learning facilities through the internet and other electronic media to be applied.(Sabandi, Ahmad. Dewi Putri 2019) This concept is better known as electronic learning / e-learning which is one way to overcome educational problems in Indonesia. E-learning is learning that uses video, audio and computer devices. The concept of e-learning not only provides online learning materials, but also the existence of a system in the form of software that manages interactions between students and teachers directly or delayed. E-learning is expected to help improve the quality of education in Indonesia. So e-learning becomes one of the distance education media that can increase learning achievement, increase efficiency, education equity and overcome the shortage of education personnel.

Kipin School 4.0

Kipin School 4.0 is an educational mobile application that contains learning materials for the 2013 Curriculum (books, videos, practice questions and literacy comics) for elementary, junior high, high school and vocational levels.(Sapoetra and Purwaningsih 2020) The advantage of using the application for students is that they will get complete material according to the curriculum, can watch learning videos and comic literacy for free. For teachers, it will help determine the time of the exam automatically, can be done using a smartphone and is equipped with complete security. As for schools, this application can be used to carry out daily tests, exams, etc. with the speed of processing accurate grade results to facilitate schools. The appearance of the laptop version of the kipin school 4.0 application can be seen in figure 2 below:
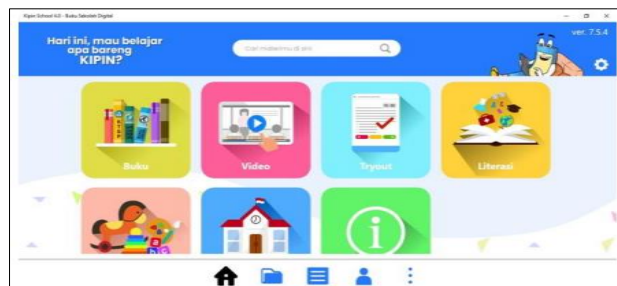

Figure 2. Kipin School 4.0 Application via Laptop

Kipin School 4.0 is equipped with "Download and go" technology which can download thousands of materials just once using the internet and after that it can be used without using the internet. This educational application only needs an internet line and a smartphone or laptop that makes it easier for students without having to bring a lot of books to school. The display for the smartphone version can be seen in figure 3.

Figure 3. Kipin School 4.0 app via Android

This research was conducted at SDI Lawang Pati on June 15, 2023. At this meeting, researchers gave directions and a little material about the Kipin School 4.0 application to teachers to know more clearly about the application. Researchers explain about Kipin School 4.0 in detail through projector tools so that all teachers can understand it clearly. Furthermore, teachers at the time of training are expected to download the Kipin School 4.0 application and use it as described by the researcher. Researchers control directly in using Kipin School 4.0.

Media Implementation Kipin Scholl 4.0

The implementation of learning training through kipin scholl 4.0 learning media is an alternative given looking at the situation in this industrial era. Seeing a situation where teachers and students only interact through offline learning media where in the application the teacher only provides questions and requires students to look for answers only in their learning books without giving an explanation of the learning material. So the implementation of training for teachers at SDI Lawang in collaboration with LP Ma'arif Malang City also together with students and students of Maulana Malik Ibrahim State Islamic University Malang conducted training on the Kipin School application to facilitate these students in understanding the learning material. The results obtained from the counseling are that students can search for more complete learning books in the application, besides that students can see learning videos that can make it easier for students to understand learning material and answer questions given by teachers through the Google Classroom application, the Kipin School application to one of the students at SDI NU Lawang.

It is undeniable that this online learning makes students feel bored quickly besides that limited media causes students to not be active in following lessons, often students cannot understand the spread well, with this application students can be more enthusiastic in doing online learning because the videos that are packaged attractively make students better understand the learning provided. With the counseling of the Kipin School application, parents are no longer stressed in accompanying students in online learning where previously parents were confused with questions about learning materials, now parents can understand learning materials just by searching on the application. This makes it easier for parents to supervise these students in carrying out online learning.

Student Learning Motivation

In every human being there is a potential energy or a force that can move and direct his behavior to the goal. It also includes the potential energy or strength to achieve which is different strength in each human being.(Suharni 2021) If triggered, the potential of this achievement energy will increase and will even move and lead to learning behavior. Thus this can provide views as well as hopes for educators or teachers that: Every student or student has been equipped with the strength to excel, the strength of achievement of each student is different. The outstanding strength of each student can be improved. Each student can demonstrate learning behaviors or efforts to achieve learning goals (acquiring knowledge, understanding, and learning development). Teachers need to better appreciate their role as educators so that a sense of responsibility and confidence arises in processing students.(Ermianto 2022) Teachers need efforts that can trigger the movement of achievement motivation for each student.

In the learning process, motivation is one of the most important dynamic aspects. It often happens that students who lack achievement are not caused by their lack of ability, but because there is no motivation to teach so that they do not try to exert all their abilities.(Gemnafle and Batlolona 2021) The role of will and motivation in Learning is very important in starting and maintaining student endeavors. Motivation guides decision-making, and willingness sustains the will to undertake a task in such a way that the goal can be achieved. In learning, control gradually shifts from teachers to students. Students have a lot of freedom to decide what lessons and goals they want to achieve and benefit them. Learning, ironically, is very collaborative. Students work closely with teachers and other students in the classroom. Learning develops more specific knowledge as does the ability to transfer conceptual knowledge to new situations. Efforts to eliminate the gap between knowledge in schools and the problems of everyday life in the real world.

Learning behavior can occur when students have goals for what they are learning. In connection with that, teachers from the beginning of teaching should provide insight or information about the goals of achieving learning behavior that is more specific to the knowledge they are learning at that time and how the benefits and applications in everyday life and benefits for the development of knowledge in the future. Every student has needs related to their learning behavior so that learning goals will be achieved by students in order to meet these needs. In other words, students' expectations of meeting their needs that can be obtained from achieving

learning behavior goals can encourage themselves to show learning behavior or make efforts to achieve these learning goals.

Educators need to identify the needs of these students related to the consequences of achieving these learning goals. For example, the achievement of learning goals is the acquisition of an understanding of a science. The consequences of this acquisition can vary, including: becoming a knowledgeable person in order to work in the field of knowledge, getting a ranking in class so that he or his parents are proud, getting a ranking in class so that he can get the gift promised by the teacher or parent, getting a ranking in class so that self-prestige increases.

This consequence indicates the needs of the student / student, regarding the type of motivation, it can be said that if students show learning behavior because they want to gain a deeper understanding of certain knowledge so that they become educated students, and those needs can only be met only by learning and there is no other way but learning, then their learning behavior will be accompanied by interest and feelings of pleasure. The movement of learning behavior based on an appreciation of needs as described above shows that learning behavior is driven by intrinsic motivation. Conversely, if a student's learning activity is started and continued based on needs and drives that are not absolutely related to his own learning activities, then it can be said that he is moved by extrinsic motivation. When these two things are compared, it appears that intrinsic motivation is expected to last relatively longer, because its attractiveness is internal and does not depend on the external environment.

Thus, it is important for teachers to explore this and then provide feedback to students about the type of motivation that drives and directs their learning behavior so that students can realize it, then reorient their learning behavior in the hope that students can choose and set basic and correct learning goals for themselves. Another hope is that students can establish within themselves that extrinsic motives become supporting goals in their learning behavior.

Conclusion

Based on the results and discussion above, that the Implementation of the Kipin School 4.0-Based Learning Model in Increasing Learning motivation goes as expected because the Kipin Scholl 4.0 learning model is very helpful for teachers and students in the learning process both at school and at home, so that the objectives of the Kipin School 4.0-Based Learning Model can be maximally achieved, educational institutions need to implement the application thoroughly so that students Students have the ability to optimize learning, the implementation of the Kipin School 4.0-Based Learning Model in Increasing Learning motivation is very helpful in the learning process applied so that the Kipin Scholl 4.0 application is very helpful and facilitates the learning process well. The novelty of this study focuses on previous research that has not explained conherently in the Kipin School 4.0-Based Learning Model, so that in this study it is explained to hear various forms of development models in Increasing Learning Motivation run well, so as to create quality student educators so that with it can create educational learning well. This research only focuses on the kipin schooll 4.0 learning model in increasing student learning motivation, this research can be used as a reference for further research related to learning models so that they can combine other learning models well.

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