



THE INFLUENCE OF LEARNING TECHNOLOGY IN THE LEARNING PROCESS ON STUDENTS' LEARNING MOTIVATION AND INTEREST IN PRIMARY SCHOOLS

Nur Hariyati Br Sitepu¹, Shanda Pradista²

^{1,2} Primary School Teacher Education, Education, STKIP Al-Maksum Langkat, Stabat, Indonesia

Email: ¹ nurhariyati352@gmail.com, ² shandaoppo85@gmail.com

Abstract

The development of digital technology is the result of engineering by human reason, thought and intelligence, which is reflected in the progress of science, which then provides benefits in all aspects of human life. In the development of human communication, it has succeeded in bringing very rapid progress, from changing manual communication to analog, where digital technology has made it easy to communicate quickly, without being limited by distance, space and time via the Internet. The use of Information Technology, in this case the internet, as a learning medium really helps educators and students in the learning process. The existence of the internet can have both positive and negative impacts on students. Parents and teachers need to know about the characteristics of adolescent students in accessing the internet as an effort to control internet use. The use of the internet as a learning medium is expected to increase students' learning motivation so that they achieve satisfactory learning achievements. The aim of this research is to examine the impact of using the internet as a learning medium on student learning motivation as indicated by student achievement. This research aims to determine the effect of the use of information technology on elementary school students' motivation and interest in learning. The approach used in this research is a quantitative approach with an ex post facto method. The population in this study was 166 students. Meanwhile, the sample in this study was 62 respondents. The data used in the research is a questionnaire with 30 questions distributed, 15 questions as indicators of Information Technology and 15 questions as indicators of Student Motivation and Interest in Learning. The data analysis techniques used are data normality testing and regression analysis. This research concludes that there is a significant influence of the use of information technology on elementary school students' motivation and interest in learning. This shows that the influence of the use of information technology on students' learning interest reaches 36% and the remaining 64% of students' motivation and interest in learning is influenced by other variables.

Keywords : Influence of Technology, Learning Motivation, Interest in Learning

Introduction

Intensive and appropriate use of the internet To use will own significant influence to motivation learning demonstrated by achievement study. Learning media capable awaken interest and motivation student in Study. Internet facilities as support activity study teaching among student school intermediate on already start applied Activity Study teaching among student school intermediate on already start applied. Motivation high learning will capable support performance student. Motivation Study influential in a way significant to results study or performance Study student. Besides it turns out that the internet as a learning medium is also capable stimulate creativity somebody. The low quality graduate of college tall often linked with low motivation Study student when currently demand study at the bench studying. This is what happened phenomenon that occurs in education at

college tall. In an era full of with progress fast like now this, sector technology information and communication Keep going grow and thrive . The progress has create big change in various line life, which is where inside it there is beloved country's education system we are Indonesian. Use technology increasing information and communication widespread No regardless from its potential in improve the learning process teaching in schools . Proven that utilization technology information and communication in a way direct impact on implementation methodology Study effective teaching. For give information quality related height with moderate data processed, technology information and communication usually used for receive, change, collect, assemble, store, and modify data in various methods and procedures. Technology information and communication, on the other hand , are defined in a way wide as related activities with procedure, mutation, arrangement, and delivery fact between media. For gather information quality tall . If used in a way direct technology information and communication are also implemented for integrate, convey, decrypt, interpret, back up, manage, and utilize data with meaningful way. Merger technology information and communication in the field education is very important for reach success, especially within developments in the era of globalization and progress knowledge rapid knowledge and technology. Besides that 's technology this has play role important in modernize and innovate in method learning traditional, as usage shows system learning multimedia based, which offers experience learn more interesting and not too monotonous. Integration technology information and communication to in the curriculum also has become practice standard, which includes service learning that provides help groups and individuals in education.

School as institution education official , plays role important in prepare student For face competition power future work, incl prepare they for face difficulty progress technology . Motivation student is one of the fields that can impact on progress technology. Motivation can considered as strength possible driver active. When the need arises for reach something objective considered depressed , moment that's reason the power of being active will appears, motivation Study is strength specific different drivers for every students, who influence activity Study them and make sure smooth learning process for reach each other's goals. Motivation Study covers various factors that foster feelings of desire knowledge, aspiration, enthusiasm, and encouragement in effort education for reach objective certain. Motivation Study is characteristic elements stimulating pervasiveness student For involved in learning , sustaining development of the learning process, and directing activity learning to direction achievement objective learning . Motivation is strength dynamic enabled when there is urgent need for reach objective. There is draft fundamental For grow Spirit Study students , where motivation intrinsic more role compared to with award external, and motivation can foster a sense of optimism Study. Study teach is activity main thing in school. Hope that doesn't Once disappeared from a teacher is his students succeed in learning. Success the always accompanied with efforts Good from teachers and from student Alone. A teacher tries various methods in convey knowledge knowledge. Objective exists various type method used is for students No feel bored and have interest in the learning process. Besides That's it, teachers always do too give various motivation to use awaken Spirit Study students. Activities learning is done good at school or at home must based on from desires arise from in himself. If one student has wish from in self for Study then, students will have an interest for study. The interest in question is interest. Students who have interest to something matter that is Study so student will try maximum Possible For reach objective from activity learn it. Interest is a sense of more liking and feeling of interest in something matter or activity, without someone ordered. Something interest can expressed through something statement that shows that student more like something matter instead of p other. Interest Study student is very necessary thing noticed in the learning process . Because without exists interest Study from students learning process no will can taking place in a way maximum. Interest is initial capital for reach success in the learning process. With exists interest, then appear motivation from student for follow the learning process with Serious from beginning until end so that achieved results good learning. Interested students in study is as following : 1) Have steady trend for pay attention and remember something to learn in a way Keep going continuous ; 2) there is a feeling of like and pleasure to something he is interested in ; 3) acquire something pride and satisfaction in something one is interested in ; 4) more like more things become his interest rather than anything else ; and 5) manifested through participation in activities and pursuits . From the opinion above can concluded that characteristic features interest Study is own steady trend for pay attention and remember something in a way keep going continuously, acquire pride and satisfaction to things of interest, participating in learning , and interests Study influenced by culture . When students there is interest in Study so student will always active participate in learning and will give good performance in achievement performance Study. Interest related tightly with objective.

Someone who has high interest will truly try reach the desired goal. Interest student in learning become the power that will push student for study. Interest learning you have student different One with others . For occupying teenagers school intermediate on interest study become necessary factors noticed in a way special. Moreover Again Lots things you feel more interesting from activities learn, a lot factor affecting interest Study student. Should

students who have interest learn, will show enthusiasm moment follow learning with listen teacher's explanation and notes the material provided, focus to learning and not think about things that don't related with learning , having feeling like to lesson certain so that No there is a feeling of boredom and compulsion For learning , always showing high enthusiasm like at the time discussion always active ask and answer question from teachers as well no postpone assignments given by the teacher. Interest Study students can too influenced by use technology information. Use technology information at school have very many benefits in the learning process, because with exists technology information, students can see information latest nor phenomena that occur at the moment this is later connected with material lessons, students can also use technology information as internal media convey information so that student become motivated for learning and the learning process teach no monotonous. Use technology the information in question in study this are gadgets. Development technology information especially gadgets give rise to impact positive for the students in increase interest Study student . Impact positive from use of gadgets, namely make it easier in search information and communication as well as make student No stutter technology. Utilization of gadgets in activity learning give influence to achievement of the learning process that provides stimulation For can increase Spirit as well as interest for student in understand lesson Based on the researcher 's observations do . Researcher find the same information about utilization technology information . Observation results showing that Lots students who use gadgets for obtain supporting materials learning. For example look for addition material , work task school , as well access their information need. However results observations also show that still there is students when inside class student always use gadgets for playing games, chatting, as well facebook without notice explanation from teacher. When the teacher reprimands , students only put the gadget inside for a moment drawer table Then Then playing with gadgets again. Use of gadgets during learning hours no good for students , because can bother when the teacher is explained the material should be noticed by students. Student become no sensitive to learning, students only more focus on gadgets and not notice ongoing learning. This matter impact on interest Study current students low seen from frequent students go out enter class moment learning going on, talking with friend adjacent without notice teacher's explanation. When discussion ongoing, students chat with the group is outside theme discussion, when the teacher asks results discussion with students , students precisely request extension time because not yet finished do task discussion. When discussion discussion, teachers often ask student for put forward his opinion however only One or two only those who have an opinion , so it's a learning process no taking place with good.

Interest Study is something reception will something connection between self Alone with something outside self . Somebody own interest to subject certain tend for give more attention big to subject certain. Interest study can form attitude academic certain things that are very personal to each person student. Therefore that interest Study must grown by each student themselves. Party other only strengthen and grow interest or For look after interest that has owned somebody . Interest learning is also a power trusted driver powerful in the learning process. Because of it has been should teaching give more opportunities big for development interest a participant educate. Interest tightly very the relationship with feeling like it and not like, interested or no interested. A number of indicator interest Study namely : feelings pleasure, interest, acceptance, and involvement student . From several the definition put forward about indicator interest Study the above, inside study This use indicator Interest, namely : feelings joy, engagement students, interest, attention student. In understanding simple, interested is desire to something without There is coercion . In interest Study a student own influencing factors interest learn differently. Influencing factors interest Study differentiated become two types, namely : a) internal factors are factor from in self students who include two aspect, namely : aspect physiological condition physicality and tension muscle (tonus) that marks level fitness body students, this can influence passion and intensity student in learning ; aspect psychological aspect psychological is aspect from in self consisting of students of, intelligence, talent students, attitudes students, interests students , motivation student . b) factor external student factor external consists from two kind, factor social environment and factors environment nonsocial. Technology information No only limited to computer technology (devices hardware and devices software) is used for processing and storing information , but also includes technology communication for send information. Technology information is all form applied technology for processing and sending information in form electronic. Technology information is set helpful tool in work with information and doing related tasks with processing information . Technology information is all form applied technology for processing and sending information in form electronic. With see a number of the meaning above can concluded understanding utilization technology information is something form technology that makes it easier work man in processing, obtaining, compiling and presenting information. Utilization from use technology information can is known in decide reception technology information with One trust that user technology information the can give contribution positive for the user.) Utilization technology information shared into five dimensions namely : 1) useful (useful) development technology Information has a big impact on life man For

continuity as well as comfort life man with give various benefit in increase quality more life good ; 2) work become more easy (makes job easier) attendance technology information give convenience in processing , supply information in a way easy and fast so that can supports processes, activities , work , as well as taking decision in a way effective and efficient; 3) add productivity (increas productivity) with exists technology information, human become more productive in create or Produce something profitable for you life now and in the future come; 4) heighten effectiveness (enhance effectiveness) effectiveness is ability For choose the right goal for achievement goals that have been set as well as as something size that gives description about achievement a target; and 5) improve performance (improve the performance) utilization technology information basically as means For increase effectiveness work, save time, energy, thoughts, as well speed up current information. Education World No regardless from technology information .

Education World related tightly with information and knowledge. By Because that 's easy access to information and knowledge becomes very important. Technology information is also possible give birth to features new in the world of education. As in the system teaching multimedia based (technology that involves text, images, sound, and video) can serve material more lessons interesting, no monotonous and easy delivery. Utilization technology the information in question in study this use or use of gadgets for learning . Gadget is goods sophisticated creation with various available application serve various news media social media, hobbies even entertainment. Gadget is the media used as tool communication modern and increasingly make it easier activity communication man. Opinion on can concluded that the gadget is A technology form goods sophisticated creation with various function and use. There have been developments over time give birth to Lots very super advanced technology already spread everything direction through various mediamedia as liaison information development progress. However sophistication or progress that bring up things new from pattern whims and variety thinking man. Most from living human in a time of sophistication This utilise matter the For gushing material as much as possible with no heed values religious teachings. Progress technology like television , telephone and telephone handheld (HP), not even the internet only hit public city, but also has can enjoyed by people in remote areas village. Moment this can we look how progress technology has influence style life and pattern think society, especially among participant the so called learner with digital technology , development digital technology is results manipulation reason, mind and intelligence human, which is reflected in progress knowledge knowledge, next give benefit in all aspect man. Deep digital technology perspective communication is system efficient delivery, communication more become dynamic without hindered by time and space, however utilization digital technology in life participant educate can seen from communication carried out with use internet intermediaries, there are various internet application that provides online gaming facility, You tube, video call or chat inside create intertwined communication two direction. Motivation Study is internal and external encouragement for students (i) who are study for stage change act behavior, in general with a number of indicator or supporting elements. That thing has role big in success reach objective Study. So motivation Study is a purpose, encouragement, encouragement, and direction to participant educate to be more enterprising in Study at school, of course matter the need given to participant educate for results Study the satisfying . In matter this motivating to participant educate is something purposeful for influence level emotional to the participants educate in add or increase Spirit learn. Then from That researcher focus his research on influence digital technology against motivation and interest Study participant educate.

Research Methodology

Method research used in research this is ex-post facto method, ie methods used in activities or events that have happened happen that is see influence utilization technology information to interest Study students. Research this use approach quantitative. Approach study quantitative used for research on populations or sample certain. Technique taking samples in general done random, data collection is random quantitative statistics with objective for test hypothesis that has been set. Population is the region of generalization that consists on object/subject that has quantity, and characteristics certain conditions determined by the researcher For learnable and interesting conclusion . Based on understanding the then that becomes population in study This is student school base numbering 166 students. Taking sample, if subject not enough of 100, then more Good taken all so that his research is population. If subject more big of 100, then big sample can taken between 10-15% or 20-25%. However in study this is what happened sample in study This is 62 people. Data collection techniques used is questionnaires, observations, and documentation. Whereas technique testing using validity , reliability , normality and regression tests . Data analysis techniques are used in study This is simple linear regression.

Result & Discussion

Normality Test Results

Before do data analysis with use regression , moreover formerly done checking condition analysis For needs this will done testing normality of data with using the Kolmogorv-Smirnov (KS) test with procedure as following : 1) determine hypothesis , 2) determine level significance, 3) determine test statistics , and 4) determine test criteria. Analysis results on show average value of motivation and interest Study of the 62 students observed is amounting to 50.98 with mark standard deviation of 7.81. Whereas results testing normality data with Kolmogorov Smirnov shows mark significance for testing normality of the data of interest Study for 62 students observed is of 0.855. When compared with The alpha value used is (0.05) then mark significance obtained this Still more big so H_0 is accepted. With thereby can concluded that the data is variable dependent (interest Study students) have normally distributed.

Analysis Results Regression

After condition data normality is met so furthermore done analysis regression between technology information with motivation and interest Study student school base. Analysis techniques used is analysis simple linear regression . Based on results analysis on can interpreted a number of matter as following : 1) Utilization technology information influential positive to motivation and interest Study student school base. The more Good utilization technology information by students so will capable increase motivation and interest they in Study . 2) Every enhancement utilization technology information as big as One unit will increase interest Study student amounting to 0.557 units .

Regression Model Testing

By Whole After obtained an equation model regression estimate so step furthermore is do testing significance coefficient regression in a way together (testing the overall significance of regression). Testing in a way simultaneous done with using the F test. From the results obtained F- value calculated amounting to 33,689. The F- table value is at level significance 5% and degree free numerator (df1) is k (amount variable free) = 1 and degrees free the denominator (df2) of $Nk-1 = 62-1-1 = 60$ is amounting to 4,001. If second this F value compared , then calculated F - value obtained Far more large F - table so H_0 is rejected. If use mark significance , of results analysis on obtained mark significance of 0.000. This value is very small If compared to with alpha value used ie of 0.05. With thereby can concluded that all over coefficient regression in the model together influential to motivation and interest Study student.

Testing Influence Utilization Technology Information To Motivation and Interest Study Student

After known that using a regression model significant so furthermore will done testing more carry on for know in a way more Specific influence from utilization technology information to interest Study student. For needs This done testing coefficient regression individually (testing individual regression coefficient). Individual (testing individual regression coefficient). As for the stages testing will be done is as following : 1. Determination Hypothesis H_0 (no there is influence from utilization technology information to interest Study students) H_1 (there are influence from utilization technology information to interest Study students) 2. Determination level significance The level of confidence that will be used in study this is by 95% or in other words level Its significance (alpha) is 5%. Determination Test criteria are based on comparison between mark tcount obtained with t- table. If the t- value is calculated more big from t- table then H_0 is rejected. Testing can also be done based on comparison between mark significance obtained with alpha value used. If mark significance obtained more big from alpha value then H_0 is accepted. From the data sought so t - table value obtained for variable utilization technology information is amounting to 5,804. For get conclusion is accept or rejecting H_0 , moreover formerly must determined t- table value to be used . T- table value This depending on the size df (degree of freedom) as well level significance used . With use level significance by 5% and value df $NK -1 = 62-1-1 = 60$ is obtained t- table value of 2.00. When compared with calculated t - value obtained of 5.804 then calculated t - value obtained Still more big from t- table value so H_0 is rejected. With so on level 95% confidence can concluded that technology information influential in a way significant to motivation and interest Study student . For know big influence from all over variable free in the model against quality used analysis coefficient determination . Coefficient value determination reflect big influence change variable free in operate changes to variables No free in a way together with objective For measure truth and goodness connection between variables in the model used . Based on results Estimation model equation regression that has been done on obtained mark coefficient R^2 determination is 0.360. This value means that amounting to 36% variation motivation and interest Study student school base influenced by

good the bad utilization technology information by students , whereas the rest 64 % is influenced by variables other.

Conclusion

There is a number of sophistication digital technology such as easy work because operate in a way automatic, fast, quality, effective, efficient , easy transfer data and information to electronic media other. And a lot Again sophistication from this digital technology can taken the benefits for activity man. Like the Internet for example, we can relate online, so man as if I'm in a narrow world with range the more wide, because felt more easy, fast and dynamic accept information as well as communicate. We must intelligent utilise opportunity progress digital technology, in various field life including in maintenance education. Opportunity this enough give hope, if can utilized optimally, for increase motivation Study participant educate in Suite increase quality education in Indonesia. Based on results research and discussion so can stated conclusion study as following : Technology information influential positive and significant to motivation and interest Study student school base. Big influence from technology information to interest Study student reached 36% meanwhile the rest 64 % is influenced by other variables such as management class, room comfortable class, enthusiastic student in learning and atmosphere class.

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