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The Effect of Internet "Blog" as a Learning Media towards the Learning Outcome of Science on Elementary School Students

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Abstract: For some students, science is not an interesting subject, this thing impacts on students science comprehension and their studying result that less than the required standart. It is caused by teachers less precise of giving the learning, the teachers only use the lecture method without using the media as an instrument that can support the students science subject comprehension, and the teachers still use themselves as the information source center for their students, so that what happen in the class is Teacher Center.As therapidprogress ofscience and technologythe teachers requiredto constantly innovatein developingquality learningandmeaningful .Weblogas a mediathatcan beused by teachersin teachinghas greatly contributed totheimprovementof student understandingin science teaching.The resultsprovethatthere is an influenceof theinternetas a learning science media to the learning result of the students.This isevidenced by thet-testatsignificance levelα=0.05anddegrees of freedom(df) =58obtainedvalue oft =8.933and thetable =2.002. t count> t table, thenHois rejected. Application ofthe Internetas a learning mediacanhelpstudentsin improvingtheir learning result.

Keywords: internet, blog, learning media, science, elementary school

In teaching process there's an educative interaction, which is an active two-ways relation that have the quality of education.To guarantee the efectiveness of this educative interaction, a media variation as a communicator between the teacher and the students in delivery of teaching material is needed.Because studying is a process in human being, so teacher is not only the source of learning, but one of the components of the learning source that can be called as a person.

Mediais atoolintermsof communicationchannels. In this case, the role ofcommunication channelswillbeveryimportant,becauseofthe channel the message is delivered.It is becausea teaching media is greatly help the educator or the teacher in giving the learning effectively and efficiently.Teachersshouldusethebestmediatofacilitate thelearning, because, a good process ofcommunicationand a goodlearningfacilitycanprovide abetter learningresulttoincrease thestudent studying accomplishmet.The main goal of the learning media is to integrate the effective aspect, cognitive, and psychomotor, which are very important in student learning process.

At this developing science and technology era, the professionalism of teacher is not enough by teaching students ability only, but also with the ability to manage the information and surroundings to facilitate the students studying activity. The teacher has to be able to pack the concept of students studying, either environmentally, place of learning method, valuation media system, or facilities and infrastructure so that can simplify the students in learning.The technology of information can also solve the education problem that we face, if the technology of information can be developed or adopted and pack compatible with the learning technology principals.One of the most affected technology in learning technology is the technology of information, especially computer and the internet. Internet has enabled all the people to communicate and exchange the information anytime easily and quickly. One of the utilization of the internet technology in education is a learning program with the web basic namely learning portal.

In learning with the internet basic, teacher can use one of the internet application facility for the learning requirement. We can use World Wide Web (WWW). WWW is a large collection of any

kinds of documentation that saved in any server around the world, and that documentation were developed in *hypertext* and *hypermedia format*, using *Hypertext Markup Language* (HTML) all documents will be connected each other as a word, visual, etc. Nowdays, Internet has been an absolute necessity for education organization or personal who wish to publish themself in the internet media. With the easy access, bring through everyone to have personal website for free such as blog.

Internet also be used programmatically. Teacher can utilize internet as media of learning. For example, teacher provide an interactive or non interactive website which supply learning material then student allows to access. By opening teacher's blog, students can find all information and learing material that can be used to answer all teacher's query. Students also can ask a quetion and give a comment for every learning material post.

Blog is a web application which accomodateperiodically post onacommonwebpage. That kind of website ussualy can be used by all of the internet user, appropriate to the topic and purpose from the blog user.Concomitant with its progress, blog is more widely used as a personal site and a self-actualization media or sosialization media. Blog is a name that firstly used by Jorn Barger on December 1997. Jorn Barger used the name*Weblog*to mention the group personal website.

This is called as an indirect learning. In the indirect learning, studying-teaching proccess occur with the lag time (time difference), physically teacher and the students are in the different place so that the students can learn it anytime and anywhere.

Especially in Science learning, it is very necessary to present any kind of source and media to help the students in increasing their competence of understanding the material.Generally, science is a large human knowledge that reached by observing and sistematically experimental, and be explained by the rules, laws, pricipals, theories, and hypotheses assistance.

The using of media in science learning proccess is very helpful in increasing the proccess skills which has been a characteristic of science. Prcocess skillsaretheskills acquiredfrom thetrainingof mentalabilities, physical, socialandbasicskillsas an activator ofhigher skills(Wahyana, 1997).Fundamentalcapabilitiesthathave been developedwilleventually beaskill. Science process skillsdefinedbyPaoloandMarten(in Carin, 1993:5) is(1) observed, (2) trying to observewhat is observed,(3) using the newknowledgetopredict what will happens, (4) testthe predictionsunder conditionstosee if theforecastis correct.

Based onthe research, obtained the fact thatusing aweblogas a media oflearningmakesstudentsmore interestedinfollowing thelearning materials. Besides,theuse ofWeblogsas alearningmediacanalsoincrease theactivity of studentsstudyingbothinside andoutside the classroom. Andthe statistical dataalsogave a positive resultfromthe use ofWeblogsin science teachingthat isthe priceof t=8.933andt table(at the significance level(α) =0.05with58degrees of freedom) is2.002, it can be concludedthat theinternetas a media oflearninghas a positive effecton students science learning results.

References

Warsita, Bambang. (2008). Teknologi Pembelajaran Landasan & Aplikasinya. Jakarta: Rineka Cipta

Rafi'i, Muhammad. (2009). *1 Jam Membuat Blog Dengan Blogspot*. Surabaya: Tiara aksa

Niken Ariani dan Dany Haryanto. (2010). *Pembelajaran Multi Media Di Sekolah*. Jakarta: Prestasi Pustaka

Ihsan Fuad.H.Drs. (2008). *Dasar-dasar Kependidikan Komponen MKDK*. Jakarta: Rineka Cipta

Sunarto dan Agung Hartono.M. (2008). *Perkembangan Peserta Didik*. Jakarta: Rineka Cipta

Suyono dan Hariyanto. (2011). *Belajar Dan Pembelajaran*. Bandung: Remaja Rosdakarya.

Asep Jihad dan Abdul Haris. (2008). *Evaluasi Pembelajaran.* Yogyakarta: Multi Pressindo

Suryosubroto.B.Drs. (2009). *Proses Belajar Mengajar Di Sekolah* (edisi revisi). Jakarta: Rineka Cipta

Samatowa, Usman. (2011). *Pembelajaran IPA di Sekolah Dasar*. Jakarta: PT Indeks

Sudjana Nana.DR. (2010). *Penilain Hasil Proses Belajar Mengajar*. Bandung: PT Remaja Rosdakarya

Triantono.M.Pd. (2010). *Model Pembelajaran Terpadu*. Jakarta: PT Bumi Aksara

Indriana Dina. (2011). *Ragam Alat Bantu Media Pembelajaran*. Jogjakarta: Diva Press

Tiantono. (2007). Model *Pembelajaran Terpadu Dalam Teori Dan Praktek.* Jakarta: Prestasi Pustaka

Dimyati dan Mudjiono. (2011). *Belajar dan Pembelajaran*. Bandung: PT Remaja Rosdakarya

Sugiono.Prof.Dr. (2010). *Metode Penelitian Pendidikan*. Bandung: Alfabeta

Supriyadi, Dedi. (1997/1998). *Kebudayaan dan Perkembangan Iptek.* Bandung: Departemen Pendidikan dan Kebudayaan.

Musfiqon.HM.M.Pd. (2012). *Pengembangan Media & Sumber Pembelajaran*. Jakarta: Prestasi Pustaka
Fahrurrozi. (2011). *Blogbastis*. Jakarta: Mediakita
Sugiono.Prof.Dr. (2010). *Metode Penelitian Administrasi*. Bandung: Alfabeta
Ridwan.Drs.M.B.A. (2009). *Belajar Mudah Penelitian Untuk Guru-Karyawan dan Penelitian Pemula*. Bandung: Alfabeta.