

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 the rapid progress of science and technology the teachers required to constantly innovate in developing quality learning and meaningful. Weblog as a media that can be used by teachers in teaching has greatly contributed to the improvement of student understanding in science teaching. The results prove that there is an influence of the internet as a learning science media to the learning result of the students. This is evidenced by the t-test significance level $\alpha=0.05$ and degrees of freedom (df) = 58 obtained value of $t=8.933$ and the table $t=2.002$. $t_{count} > t_{table}$, then H_0 is rejected. Application of the internet as a learning media can help students in improving their 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 effectiveness 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.

Media is a tool in terms of communication channels. In this case, the role of communication channels will be very important, because of the channel the message is delivered. It is because a teaching media is greatly help the educator or the teacher in giving the learning effectively and efficiently. Teachers should use the best media to facilitate the learning, because, a good process of communication and a good learning facility can provide a better learning result to increase the student studying accomplishment. 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. Nowadays, Internet has been an absolute necessity for education organization or personal who wish to publish themselves 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 learning material that can be used to answer all teacher's query. Students also can ask a question and give a comment for every learning material post.

Blog is a web application which accommodate periodically post on a common webpage. That kind of website usually 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 socialization 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 process 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 systematically experimental, and be explained by the rules, laws, principles, theories, and hypotheses assistance.

The using of media in science learning process is very helpful in increasing the process skills which has been a characteristic of science. Process skills are the skills acquired from the training of mental abilities, physical, social and basic skills as an activator of higher skills (Wahyana, 1997). Fundamental capabilities that have been developed will eventually be a skill. Science process skills defined by Paolo and Marten (in Carin, 1993:5) is (1) observed, (2) trying to observe what is observed, (3) using the new knowledge to predict what will happen, (4) test the predictions under conditions to see if the forecast is correct.

Based on the research, obtained the fact that using a weblog as a media of learning makes students more interested in following the learning materials. Besides, the use of Weblogs as a learning media can also increase the activity of students studying both inside and outside the classroom. And the statistical data also gave a positive result from the use of Weblogs in science teaching that is the price of $t=8.933$ and t table (at the significance level $(\alpha) = 0.05$ with 58 degrees of freedom) is 2.002, it can be concluded that the internet as a media of learning has a positive effect on students science learning results.

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