

The Effect of Internet on Learning Methods and Results of Information Science Students UPN "Veteran" Jakarta

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Abstract

This research is very useful for analyzing the effects of Internet usage on the methods and learning outcomes of students of the Information Science Department of UPN "Veteran" Jakarta. The use of the Internet is an integral part of the modern educational process, which includes good speech and communication, access to a variety of relevant data and a lot of limited data. In this lively lecture, students use the Internet to provide things especially in completing assignments and obtaining data about lecture modules. The availability of various online resources, such as academic journals, news articles, and learning videos, allows students to deepen the material and enhance more creative viewing methods. However, over-reliance on the Internet has also led to negative consequences, such as the risk of being blocked and exposed to unverified information. Overall, however, the Internet has a positive impact as it increases learning efficiency, provides access to the latest data developments, and supports students to overcome time and positional barriers when attending lectures. The results show that integrating the Internet into the educational process can improve students' skills in Information Science, although strategies are needed to minimize its negative impacts.

Keywords: *Education; Learning efficiency; College students; Online learning*

INTRODUCTION

The International Network (Internet) is a means to gather various information and interact without time constraints. Purbo (2010:14) states that "internet" stands for "connected network", which is a communication system that connects networks of computer collections around the world. The development of information and communication technology, such as the internet, allows users to access data directly.

Online learning has become a popular method to provide flexible education, especially after the Covid-19 pandemic. Information and communication technology allows wide access to education and students can learn according to their own pace and schedule. Online platforms offer individualised and collaborative learning tailored to students' needs. Students have various ways to learn independently according to their own learning styles. Universities develop interesting teaching methods to increase students' interest in learning. A person's learning style plays an important role in the learning process. Therefore, it is important for every student to know and choose their own learning style.

The internet is very helpful to students as they usually use it to find information for school assignments. One can gain the knowledge they need by using the internet. A lot of local and global data is available on the internet. The internet which is a global network containing millions of information, is used by people as a medium to learn various things, either independently or through facilitators. By using the internet, everyone can access the internet to get information on various topics that will affect their overall behaviour. In an environment where students are getting used to using the Internet. The Internet has grown rapidly to facilitate many aspects, one of which is education. Now the internet can

be accessed anywhere and anytime. This is where internet learning media plays an important role to support students in finding information and understanding learning materials more easily.

The Information Science Study Programme is a new study programme established by Universitas Pembangunan Nasional "Veteran" Jakarta in 2022 and is the only study programme in Indonesia. The average teaching materials regarding Information Science courses come from English-based international books and journals. Lecture material that is still quite unfamiliar and the difficulty of accessing journals, articles and materials about the Information Science department, of course, is a big challenge for Information Science students in understanding the material and finding teaching materials to support lectures. The effectiveness of learning for Information Science students is largely determined by the internet and search engines to find daily learning materials.

Based on the description of the problem above, the author is interested in conducting research with the title "The Effect of the Internet on the Way and Learning Outcomes of Information Science Students of UPN "Veteran" Jakarta" by focusing the object of research on UPNVJ Information Science Students to analyse whether the internet has an effect on the way and learning outcomes of students.

The purpose of this study is to measure how much influence the internet has on the methods and learning outcomes of Information Science students of UPN "Veteran" Jakarta. This research will also see how effective the internet is in helping students find information about course materials and use the internet as a learning resource. There are several factors that influence students in how they use the internet as the focus of learning media today, looking at these factors, we aim to examine how students' contribution to a better understanding of information and communication technology, such as the internet or other digital media in influencing them in obtaining information and using the internet responsibly and ethically in terms of learning.

This research is expected to be scientific information and study material for further researchers, and can add insight for researchers while undergoing studies in higher education, especially information science, and is also expected to help readers to be able to take advantage of learning activities by utilising the internet properly.

LITERATURE REVIEW

Yearning Hareva with his journal entitled "Study of the Effectiveness of Internet Media Utilisation in Online Learning Methods". In this journal the author aims to find out various research results regarding effective online learning using internet media. This research uses a qualitative Library Research method with various data sources and is collected by reading techniques (text reading) then reviewed, then studied, and recorded any literature that has to do with the topics to be discussed in the study. The results of this study emphasise that motivation in online learning is very necessary considering that the meeting or interaction that occurs is through cyberspace so it is necessary to provide motivation with bonus grades for students who are always active in online learning. So in this case, online learning is quite effective because the learning objectives will be achieved.

The similarity between Yearning Hareva and this research is that both discuss the effectiveness of learning using internet media. The difference is that Yearning Hareva's research uses qualitative research methods that use various sources as a reference, while in this study the method used is quantitative by distributing questionnaires to the object of research, namely Students of the FISIP UPNVJ Information Science Study Program.

Based on the research journal of Devi Arisanti and Mhd. Subhan entitled "The Effect of Internet Media Use on Muslim Students' Learning Interest in Pekanbaru City Junior High School" shows that the internet has a considerable influence on the way of learning and affects students' learning interest. the research results obtained in the form of a relationship between the influence of the internet on students' learning interest is 0.891.

Based on Hardiansyah's research journal entitled "The Influence of Learning Style on Academic Achievement of Medical Faculty Students, revealed that 77.8% of students showed unimodal tendencies, indicating a tendency towards a single learning style paradigm. The most common uses according to this study are visual and auditory learning styles.

METHOD

This research uses quantitative methods, according to Sugiyono (2017: 8) is a research method based on the philosophy of positivism, used to research on certain populations or samples, data collection using research instruments, quantitative or statistical data analysis, with the aim of testing the hypothesis set. based on the researcher's reasons for analyzing the influence of the Internet on the way and learning outcomes of UPN "Veteran" Jakarta Information Science Students. The population in this study were all Information Science students class 2022 & 2023 UPN "Veteran" Jakarta as many as 119 students.

According to Sugiyono (2017: 142) a questionnaire is a data collection technique that is done by giving a set of questions or written statements to respondents to answer. The data was collected within 7 days, from 12 June 2024 to 18 June 2024 we got 32 data from students who had filled out the questionnaire. in this study, we used 32 data from 119 total information science students class of 2022 & 2023 because there were some students who did not participate in filling out our questionnaire.

The criteria for assessing the influence of the internet on the way and results of learning UPN "Veteran" Jakarta Information Science students will be analysed using the following criteria:

Table 1. Criteria for Assessing the Effect of Internet on Student Learning Methods and Results

No	Criteria	Interval
1	Very High	85% - 100%
2	High	69% - 84%
3	Low	53% - 68%
4	Very Low	36% - 52%

The following data is the result of our research given through a questionnaire of 32 students:

Table 2. The influence of the Internet on how students learn

Indicator	Results	Category
Students more often use the internet for learning resources	75%	High
Students always need the internet to complete assignments	53,1%	Low
Easy internet access is very helpful in finding information relevant to lecture material	56,3%	Low
Students who are helped by various resources on the internet that help the learning process	62,5%	Low
The convenience of students in participating in online lectures	50%	Very Low
Students always use the internet to get information about lecture materials	46,9%	Very Low
Students more often use the internet to access content that is not related to learning (such as the use of Social Media, etc.)	40,6%	Very Low
Students prefer to discuss with others about the subject matter through the internet platform	46,9%	Very Low

Based on the data collected, it can be seen that students of the Information Science study programme at UPN "VETERAN" Jakarta show various perspectives regarding the utilisation of the Internet in the educational process. The findings reveal that 62.5% of the students believe that they can improve their learning speed and efficiency through the use of the Internet. However, only 53.1% recognised that accessing information from various online sources helped them in developing a more comprehensive and analytical view of the subject matter. Conversely, 37.5% of students reported a tendency to over-rely on the internet, leading to increased susceptibility to distractions and challenges in maintaining focus. In addition, 34.4% of students experienced constraints associated with encountering unverified information and online hoaxes. Nevertheless, 53.1% of students acknowledged that the internet facilitates staying abreast of the latest advancements in their field of study, while 50% recognised its role in enhancing their learning and skill development in Information Science. Consequently, the results of this investigation demonstrate the positive impact of internet use on learning methodologies and outcomes in the Information Science Department at UPN "VETERAN" Jakarta. Nevertheless, it also highlights certain hurdles that require resolution, such as over-reliance and proliferation of unverified information.

The following data is the result of our research given through a questionnaire of 32 students:

Table 3. The Effect of Internet on Student Learning Outcomes

Indicator	Results	Category
Students feel they can learn more quickly and efficiently by using the internet	62,5%	Low
The ability to access information from various online sources helps me develop a broader and more critical perspective on a topic	53,1%	Low
Over-reliance on the internet makes it easy to be distracted and difficult to focus	37,5%	Very Low
The existence of unverified information and hoaxes on the internet can confuse and hinder the learning process.	34,4%	Very Low
The internet helps to keep up with the latest developments in the field of study	53,1%	Low
The internet helps students to learn and improve their skills in the field of Information Science.	50%	Very Low
The existence of the internet has a positive influence on learning methods and results in the Information Science Department of UPN "VETERAN" Jakarta.	53,1%	Low

CONCLUSION

Based on the data we have processed in this study, it can be concluded that the influence of the internet is quite significant on the way and learning outcomes of UPN "Veteran" Jakarta Information Science students. The results of the achievement indicators show that some students use the internet as the main source in finding information and course materials because they feel that it can increase efficiency in learning and doing coursework and deepen understanding of lecture material. However, excessive internet use can have a negative impact on students, such as dependence on the internet which can interfere with learning focus and reduce critical thinking in students.

Students use the internet not only for academic purposes, but also for non-academic activities, such as social media. Nonetheless, many students utilize online platforms to engage in discussions and collaboration with classmates which suggests that the internet serves not only as a tool for individual learning support but also as a medium for social interaction and cooperative learning.

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