Students' Perspective towards the Use of Smartphone in Teaching and Learning Process

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Abstract

This paper analyze Students' Perspective towards the Use of Smartphone in Teaching and Learning Process that aims to reveal what is the opinion of students toward this educational technology. Educational technology is a device to help teacher or lecturer delivers his or her material in class, the aim of using this technology is to make both teacher and students easy to have an effective learning process. Smartphone is a mobile phone that includes advanced functionality beyond making phone calls and sending text messages. Most smartphones have the capability to display photos, play videos, check and send e-mail, and surf the Web. The use of smartphone already hepled the students to find information in the internet, the difference between smartphone and computer is that. Smartphone can be charged, easy to bring any where at any time while computers don't. In this paper the researcher used quantitative research in which using questionnare to reveal the students' prespective, the amount of participants of the research were university students with the total of 45 participants. From this, it resuled into the students' perspective towards smartphone.

Key words: Education, Smartphone, Students

INTRODUCTION

Education has become one of the needs of society to get knowledge and skill in order to pursue a proper job to gain money to buy their needs (Firmansyah et al., 2017), (Suprayogi et al., 2021), (Samanik, 2021). In this era, where the technology were enhancing within a short period of time, it changed the way education that given to the students (Sulistiani & Aldino, 2020), (Sidiq et al., 2015), (Fithratullah, 2019). The teaching learning process can be done anywhere and anytime which can be called as Online Learning, the teacher doesn't need to write much in the blackboard since there is the existance of slide that they can prepare before the class (*MEMBIMBING Dan MENGUJI KP 2020.Pdf*, n.d.), (Kutipan et al., n.d.), (Artikel, 2020). These technologies are called as education technology (Pustika, 2010), (Safitri et al., 2019), (Ramdan & Utami, 2020). The definition of Educational Technology is dynamic and flexible in nature due to constant technological development and innovations that in one way or the other affect the processes of teaching and learning (Lestari & Wahyudin, 2020), (E. Putri & Sari, 2020), (Apriyanti & Ayu, 2020). Educational technology is the study and ethical practice of facilitating learning and improving performance by creating, using, and managing appropriate technological processes and resources (Nurmalasari & Samanik, 2018), (Gita & Setyaningrum, 2018), (Sidiq & Manaf, 2020). The use of education technologies for effective applications in education is quite important, yet use of these technologies has special significance in science courses like giving direct explanation towards human body using slide or videos that can make the students easier to understand the material that is being given (Gustanti & Ayu, 2021), (R Arrahman, 2022), (Pajar et al., 2017).

Technologies used in educational environment include the Internet, computer, interactive board, printer, scanner, social networks and multiple interactive environments (Wulandari,

2018), (Setri & Setiawan, 2020), (Mertania & Amelia, 2020). Education technology is defined as the whole of academic systems which allow establishing an effective teaching environment and solving the problems likely to be experienced in the learning process and which increase the quality and achievement of learning outcomes (Asia & Samanik, 2018), (Nindyarini Wirawan, 2018), (Keanu, 2018). It is a well-known fact that education technologies facilitate teaching and learning, allow effective use of time, make students more active and enrich the education environment by decreasing the cost (Yudha & Utami, 2022), (Prayoga & Utami, 2021), (Wahyuni et al., 2021). Considering all these benefits of education technologies, educational institutions should be supported with the technological equipment required by the current era (Siregar & Utami, 2021), (Wahyudi & Utami, 2021), (Agustina & Utami, 2021).

LITERATURE REVIEW

Smartphone is a mobile phone that includes advanced functionality beyond making phone calls and sending text messages (H Kara, 2014), (Firmansyah et al., 2018), (Pratama, 2018). Most smartphones have the capability to display photos, play videos, check and send e-mail, and surf the Web (Website & Cikarang, 2020), (Firmansyah M et al., 2017), (N. U. Putri et al., 2020). The participants of the research were university students. It because the researcher believed that university students already understood what is effective learning process and they are also already at higher education level (Fithratullah, 2021), (Dakwah et al., 2021), (Robot, 2007). The importance of this research is making people aware that technology is interconnected with everything. Therefore, we should not left the technology behind us (Samanik & Lianasari, 2018), (Arwani & Firmansyah, 2013), (Firma Sahrul B, 2017). This study is giving significance impact since this study explore why educational techonlogy needed to make the students easier to understand the lesson, to make a teaching and learning and process much likely to be easier.

METHOD

In this paper the reasercher used a quantitative method. The quantitative research methods very well (Webqual, 2022), (Hartanto et al., 2022), (Gerai et al., 2021). Quantitative research is an inquiry into a social problem, explain phenomena by gathering numerical data that are analysed using mathematically based methods e.g. in particular statistics (E. Putri, 2022), (Ristiandika Arrahman, 2021). The data collection instrument that was be employed in this study was the questionnaire. The use of questionnaire is one of the most common data collection tools employed in research works. More over, questionnaires are used extensively to gather data on current conditions, practices, opinions and attitudes quickly and in aprecise way. A survey was used to prove the participants' perception towards valu added tax, the questionner has been filled by 45 university students.

The questionnare that was used in this paper was created by Jatiya Kabi Kazi Nazrul Islam University The use of the questionnare used to reveal what is the reaction of students towards value the use of smartphone in teaching and learning process . There are 12 questions that used in the questionnare that has divided into four sub categories, they are : 1) Respondent Background 2)General understanding about smartphone 3)Smartphone in Education and 4) The Effect of Smartphone in Education. Each categories has different way to be answered the third category is answered by 1)Yes and 2)No, the second and fourth category is answered by 1)Sangat Setuju, 2)Setuju,3)Tidak Setuju and 4)Sangat tidak Setuju.

RESULTS AND DISCUSSION

The result of the previous studies only analyze the basis why educational technology is that important, but never specified it into what type of technology that is used. Therefore, this research took place analyzing the use of smarthphone in teaching and learning process.

1) Respondent Background

Sex		Age			Semester			
Man	Woman	17-19	20-22	23-25	1st	3rd	5th	7th
15	30	7	30	8	7	5	30	3

From this table, it can be concluded that the 89% of the participants are women with total 30 people and 11% men with the total 15 people with the average age 20-22 years old that is in the fifth semester.

2) General understanding about Smartphone

No	Question	Answers			
		Sangat Setuju	Setuju	Tidak Setuju	Sangat Tidak Setuju
1	Smartphone adalah alat komunikasi yang bertujuan memudahkan manusia	20	25	-	-
2	Semua orang mengangap smartphone sebagai kebutuhan mereka	8	34	3	-
3	Smartphone mempermudah semua aktivitas yang dijalani manusia	25	20	-	-

From this table, the reascher identified that all the responds coming from the participants are positive, that smartphone make an easier access for people to live in.

3) Smartphone in Education

No	Question	Answers	
		Yes	No
1	Apakah smartphone sangat berguna dalam pendidikan	38	7
2	Apakah smartphone memberikan effek negatif	25	20
3	Apakah semua akses yang diberikan smartphone mempermudah siswa mendapat informasi	42	3

From the table above, it ca be concluded that smartphone gave advantage and disadvantage in education level.

4) The effect of smartphone in education

No	Question	Answers

		Sangat Setuju	Setuju	Tidak Setuju	Sangat Tidak Setuju
1	Smartphone memotivasi siswa untuk belajar	20	25	-	-
2	Smartphone membuat siswa menjadi lebih malas	8	34	3	-
3	Smartphone mempermudah sistem belajar dan mengajar	25	20	-	-

The effect in using smartphone in education. Based on the data, it moticated but also disincentify certain students to be lazy.

A. Why using smartphone in education will enhance the motivation of students to engage more towards the material that is being given

From the tables above, it can assumed that because of smartphone currenty become the primary needs of people, in which currently no one can live without smartphone . it is a good opportunity for teacher or educator to use, since the main attention of students currently is playing smartphone either for entertainment, searching for information and etc. Like the system that already applied in singapore, prove how students became more excited when teaching and learning process done by usidng technology or specifically smartphone. Therefore, it also supported by the tables above that education can maximize it function when students were attracted to it.

B. What is the perception of students towards smartphone in education

From those tables, it proved that there are students agreed with the use of smartphone in education since it brought good effect while the other one didn't agree with the use of smartphone in education simply because it disincentify students to learn even harder and only depend on the smartphone.

CONCLUSION

The things that can be concluded in this paper is that, as the technology is aggresively evolving and become the priority of all people in all kinds of aspects. It can be proven by the significancy of technology in the use of education, how it shaped the way of teacher teach or the way students percieved. The results of the paper are :

1.The way education delivered to the students is maximize to the fullest extend by using technology that currently existed in which helping both teacher and students to have a better way in teaching and learning process.

2.The fact that technology is improving making the demands of company towards technology cannot be deniable. Therefore, students need to master the technology in order to get left behind and being replaced by robot.

Therefore, the technology that currently being improved need to be mastered to make the lifes of humans easier than it is before.

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