THE GROWTH OF SMARTPHONE USAGE AMONG STUDENT

Nurul Farhana Ab. Rahman and Mohd Sazili Shahibi
Faculty of Information Management,
Universiti Teknologi MARA (UiTM)
Puncak Perdana Campus,
UiTM Selangor, Malaysia

Abstract
The aim of this research is to study the effect of growth of smartphone usage among university student. Now, smartphone can become a pocket computer and a must have for all students university. These papers discussed about the issues occur when the university student used the smartphone. It is because technologies nowadays develop many smartphone with the cheaper price and the student is affordable to have one. It is important to find that the student more prefer use smartphone rather than laptop. From this research also we found a new view on how students are using their smartphone for the educational purpose such as e-learning and m-learning.
Keywords: Smartphone, m-learning, University student, growth

INTRODUCTION

Technology nowadays has been changing the human lifestyle, especially the student. The fastest growth in technology nowadays is smartphone. When the development of the smartphone increase, it gives positive impact to the university student and this is one of the technologies that have transformed people's lifestyles by allowing them to digitally connect with their digital live (Teh, et al., 2014). Then, smartphones is the most common device that can be used by the student and other people (Essam, 2016). According to Essam (2016), smartphone have their own tools that can access when they are connected to the internet. For university student, smartphone is very important device to get quick access of information everywhere and anywhere. For instance, smartphone nowadays have many features including application that can be used by the student. The application will help them in their education for example. Many applications have been developed in the smartphone for the student learning purpose. Students nowadays prefer to bring small and compact devices like smartphone to make user easier to go anywhere and everywhere.

In 2014, the estimated range of people use smartphone worldwide is about 5.6billions (Radicati Group, 2014, p. 2). Then the other statistic according to the Radicati Group (2014), at the end of 2018 the range of people use smartphone worldwide will rise to over 6.2 billion with a roughly percentage of 84%. It will up to 90 to 95 percent when the production of smartphone with the cheaper price is high year by year. Next, smartphone have their own value own their education, business, politic and etc. according the usage by the user (Essam, 2016). For student, especially the value of smartphone must be on educational, communication and sometimes it will be on business for the students that have part time business on online businesses. According to Essam (2016), the value

can be seen clearly in Egypt, where they called "The Arab Spring" where the smartphone is the most important device that can be used on communication among protestors inside and outside Egypt.

Other than that, mobile phone or the most preference words that user commonly uses is smartphone. It will give more advanced system or computing and have connectivity compared to mobile phone before (Mohd Azam, et al., 2012). Then, the function of smartphone nowadays will come along with SMS, MMS, voice call, internet connection, and communicate with others by using any communication application such as whatsApp, wechat, and etc. In addition, smartphone applications have open up many people eyes the growth of technology that give many benefit to the field of education, socialization, politician, and give a student chance to communicate with other people or know the other country people and that is all in one devices that is smartphone. (Sevillano-Garcia, 2014).

Then, smartphone can be pocket devices to the student by exchanging their laptop. It is because, the features of the smartphone are small and can store at the student pocket compared to the laptop that have large kilogram to student carry everywhere. In addition, smartphone can be classified as knowledge machine that everyone can use and walk on with these devices and can tell all over the world about the information that they does not know. For the e-learner application at the smartphone it will give advantages to the student to access the internet with their smartphone to get information regarding their assignment, lecturers note or anything else regarding the education that the student university learned. Then, the new generation nowadays mostly gen Y that include university students mostly viewed the smartphone features on their powerful of smartphone running, their capacity of memory, their screen size, and their operating system that want to run the application smoothly without lag (Boulus, et al., (2011). Lastly, smartphone is very important thing to the student and that is why the growth of smartphone usage by the university students is high.

ISSUES

In this paper, we identify some issues regarding to smartphone usage among university student. From our view in the previous study, there also have limitations about the usage of smartphone among university student. The limitations that we get are:

- ➢ University student live change from socialize to anti socialize.
- ➢ Lack of attention during class because of use smartphone at class.
- ➢ Low disclosure on use e-learning by using smartphone.
- ➢ Low budget to buy smartphone for the not affordable student.
- ➢ Low interaction communication face to face between people.
- ➢ The impact of using smartphone for the university student.

RESEARCH QUESTIONS

➢ How do we create awareness on the importance of e-learning on their education?
➢ Why smartphone is important among students University?
➢ What is the benefit of smartphone?

RESEARCH OBJECTIVES

The aim of this research paper is to evaluate the growth of smartphone usage awareness among the university student. To make this aim achieved, we identify the goals that we need to do:

➢ To create awareness among student the importance of using smartphone.
➢ To identify the important of smartphone to student?
➢ To ensure the university student use smartphone and get benefit from them.

LITERATURE REVIEW AND PROPOSED FRAMEWORK

From our future data collection, we can determine the expected outcome that have in our research. The methods that we are using to get expected outcome in our previous research are questionnaire and observation. The two methods will explain or resulted different outcome based on their feedback on questionnaire and our observation. Before this, questionnaire has been given to the selected university student that involved 4 local University in Malaysia and the student have answered it. Finally, after we collect back our questionnaire from that student, we found that mostly student have one smartphone minimum and 3 smartphone maximum but most of the university student compulsory have one smartphone at their hand. The other question is regarding the usage of smartphone that they use learning application or not at their smartphone. Then, the result is estimated about 80% of university student does not have learning application at their smartphone with the reason it is not important to them. While, 20% of them have application related to the education with the reason it is easier to them to get information about learning.

The next method that we use is by doing observation within student at UiTM Puncak Perdana at the library. The outcome result show that mostly student hold one smartphone at their right left hand and writing by using their right hand. From our observation and opinion, the probability of student used smartphone to get information is estimated about 40% and the rest is for socialization such as chatting or reply whatsapp and sometimes it could be gossiping at the whatsapp group. This is because the students prefer to do two works at one time compared to focusing on their work that they have done at that time.

Last but not least, there are many research stated that the smartphone can give negative impact to the student. The first impact of smartphone is regarding radiation.

Radiation will happened when the students or the user of smartphone take their smartphones near to their bed and also on charging phone. The radiation will give side effect to the user of smartphone especially university student on the brain difficult to relax while the information being process and that is cause the sleeping problems. Then, there were many research that found the smartphones can disturb user sleep by show them to the lights that can interrupt with the hormone of melatonin. The hormone melatonin is the hormone that can helps the sleep-wake cycle of user. For example, student nowadays preferred texting before they go to sleep with the light off and sometimes they do not remember on the other day that they are texting someone because their brain is for asleep and not for sending texting message. That is why sleep-wake cycle occurs at that person or user of smartphone.

To support learning activities they give some benefits when using smartphones according to the finding of the theoretical framework and other research that have their ability to:

1. Collaborate the interaction and increase the improvement of communication among the other students.
2. Can give the learning opportunities for the students, group of classmates and also their lecturers.
3. Encourage participating of active learning.
4. Get the feedback process from the students about to enhance the learning process.
5. To emphasize the time on the task provide.

Based on our research, the smartphone can support the learning activities that can help to determine the variables that we have been use on our research paper. It is because variables can be defined as the viewpoint of the design study. The variable that we have been used is active variable and attribute variable. According to Cummins (2010), active variables is the variables that can be manipulated, changed or controlled while attributes variable cannot be manipulated, changed or controlled for example age, gender, etc.

CONCLUSION

In conclusion, we have found that there are many issues in "Study the Growth of Smartphone usage among University Student." The main issue is related to the education or learning process among the university student and the change of live among the university student. Then, with the high number of smartphone that have been sold in each year, mostly the students buy the new smartphone for their usage. So, with the lower price of a smartphone and with the postpaid bill now available is giving the chance for people to own a smartphone easier. Other than that, smartphone also make other people, especially students, exchange their laptop into a smartphone. It is because the smartphone is easy to carry anywhere with the smart battery compared to the laptop.

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