EFFECT OF SMARTPHONE ON STUDENT

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Abstract
The purpose of this research is to determine the effect of smartphone on student. This paper proposes a framework to identify three aspects concerning about the effect of smartphone on student. As a result, the study reveals that the effect of smartphone on student consists of communication, study and health. This paper also shows the table analysis of review and the figure proposed research framework.

Keywords: smartphone, effect, student, communication, study, health.

1. Introduction
Smartphone are also known as mobile phones, hand phones, cell phones or wireless phones. It is an electronic device used as a voice or data communication tool via a base station network known as a cell site. As we can see, nowadays everyone has smartphones either kids or adults and it becomes a very important thing in our lives. It's hard to imagine our lives without a smartphone as most of our work is done using it. However, the use of smartphones has a positive and negative effect. Most students today carry smartphones to school along with books. This pocket-sized tool allows them to do whatever they want; such as find an information or surf the web. Information can be retrieved from a mobile device via applications (apps), news portal, search engines, electronic resources such as e-journals and e-books or social media sites. The presence of smartphone presents a host of options and challenges for today's students. It can be helpful academic tools, or painful academic disruption depending on the attitudes and use patterns of the owners (Suryanarayana, 2015).

The aim of this study is to measure the effect of smartphone on student. In order to achieve this objective, this research proposed a framework to identify three main aspects of the effect of smartphone on student. The remainder of this paper is organized as follows. Section 2 is literature review. Proposed framework is in Section 3. Final section contains some concluding remarks.

2. Literature Review
This research is to evaluate the effect of smartphone on student. For the effect of smartphone on student, we focus on three main aspects; communication, study and health.

2.1 Communication
Communication is what allows us to interact with other people without it we would unable to interact with other people. The study shown that majority of the student use
smartphone as tool to communicate with each other or their teacher. Short messaging services (SMS) or Instant Message (IM) such as Whatsapp is one of the apps that being used to communicate. SMS is a trusted technology to access for a better learning environment and it have a great potential in education with active and passive interactions (Premadasa & Meegama, 2013). For example, teacher can deliver information to student through SMS. According to Li et al., (2017) to provide features which enhance students’ learning and class interaction and support class administration a mobile app has been developed. Essam (2015) mentioned that smartphone help connect student to each other and their instructor. According to Malhotra & Bansal (2017), the purpose of WhatsApp is to facilitate communication and the incorporation of WhatsApp into learning activities forms a blended course integrating both face-to-face learning and mobile learning.

2.2 Study

Smartphone with web access are popular among students. It allows students to easily communicate with others and access the relevant information. The study shown that academic purposes is the reason of a substantial growth in the use of smartphones. Student use smartphone for learning related such as searching information and taking notes (Dukic, Chiu & Lo, 2015). According to Böhm & Constantine (2016), mobile-assisted language learning (MALL) become interesting to many mobile learners especially who is interested in language learning. The use of smartphone for accessing academic information make it easy for student to do their work (Al-Dhaini, 2018).

2.3 Health

By using smartphone, students are able to check their health condition. Study shown that most of people who own a smartphone used their phone to look up health information (Kim & Yan, 2015). However, user run into a number of barrier when searching for health information online. It often associated with personal factor such as educational level and language skills. According to Misra and Srivastava (2016), using smartphone can increase awareness for health services especially for student who unwillingly to visit health care centre. Student also can improve their health by using smartphone apps that intended to improve nutrition intake and lifestyle activities during their growth (Okumus & Bilgihan, 2014).

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3. Proposed Framework

This figure 1 shows purposes framework to guide this research with effect of smartphone on student. In this research there are 3 independence variable that has been allocate and all of this has been discussed in 2.1 communication, 2.2 study and 2.3 health.

![Proposed research framework](image)

4. Conclusions

In conclusion smartphones give great influence to every student who uses them, either in positive or negative aspects. Among students, the use of smartphones with internet access can help their learning process especially when looking for information. The use of smartphones should be seen from a positive perspective so that students get more benefits for academic success. Students should also be reminded to use the wireless connection on campus as an instrument of academic achievement instead of squandering it.

References


