IMPACTS OF DIGITAL LITERACY TOWARDS STUDENTS IN HIGHER EDUCATION

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Abstract
The purposed of this research is to determine the impact of Digital Literacy towards students in higher education. This paper proposes a framework to identify three aspects concerning about the impact of Digital Literacy. As a result, the study reveals that the impact of Digital Literacy consists of information technology, teaching & learning, and information professionals. This paper also shows the table analysis of review and the figure proposed research framework.
Keywords: digital literacy, technology, impact, teaching & learning.

1. Introduction

Digital Literacy refers to the ability to identify, locate, understand, evaluate and analyze and use information through digital technology. Bawden (2008) wrote that literacy means an ability to know a new information and used the technology in reading and writing habits. However, digital literacy was more important in this era because all students in higher education used digital literacy in their learning.

The study that will be conducted is actually about the impact of digital literacy towards the student in higher education. Digital literacy is one of the information needs that the student needs to master in 21st-century learning. On this research, I will focus on the impact of digital literacy towards the student in higher education and types of digital literacy tools that appropriate for students learning in higher education because nowadays, learning in higher education prefer to use the digital method rather traditional method. The variable of impact digital literacy is information technology, teaching & learning, and information professionals. In this chapter, all variable will be discussed.

The aim of this study is to measure the impact of Digital Literacy towards students in higher education. In order to achieve this objective, this research proposed a framework to identify three main aspects of the impact of Digital Literacy towards students in higher education. 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 impact of Digital Literacy. For the impacts of Digital Literacy, we focus on three main aspects; information technology, teaching & learning, and information professionals.

2.1 Information Technology

Technology tool is a part of the things which can increase the knowledge of the information in digital literacy among students. Technology has going advance, the demand for digital technologies in digital literacy can increase because they need to learn something new and know how digital literacy was function. To meet the changing and demand, iPods, iPads, and the SMARTBoards are needed into some classroom for some country because this thing was important. Portable electronic touchscreen devices such as the iPad and iPod are increasing a part of technology tools in aspects of current childhood experiences. According to Monsour (2017) changing new technology students needed to learn technology and automation to know how digital literacy was transformed with information technology. Technology innovation also can give the impact of digital literacy among students or information professionals. Nowadays, the technologies have been changing day to day so we need to follow by the technology (Cohen, 2018). Digital literacy also changed because technology has been updated day to day. However, Hughes (2017) said practical activities of information technology were a lack of digital literacy and will take a full advantage of these technologies nowadays to the community. Information technology needs to be a good source because in learning through digital literacy it will encompass the knowledge skill and behavior in the uses of technology communication will give the increase of impact in digital literacy to the information technology if we do not use it properly (Tuamsuk & Subramaniam, 2017). According to Urbancikova et al. (2017) when the development of information and communication is increased it will impact information technology used in digital literacy in higher education. The information technology can give any impacts on digital literacy nowadays because technology always been updated from time to time. So, it will make the impact of information technology increased in digital literacy.

2.2 Teaching & Learning

Teaching and learning is a process that used a material to gain knowledge. These materials also can interact as student and teacher towards their goals to get new knowledge, skill and attitude in study to learn new experience. According to Mansour (2017), it can be motivated to the learners because of practical learning in their study can be increasing self –confidence to the learners and teacher. Digital literacy was importantly used in teaching and learning nowadays. Digital literacy can increase the flexibility of learning spaces that be accessibility to learning and can be extended of the students in teaching and learning (Pates & Summer, 2016). Learning space was important to the students in teaching and learning because it also can give more impact to digital literacy. Based on previous research, the process of hearing other media such as micro-video can give impact one's ability to learn in process teaching and learning to digital literacy (Frydenberg &Andone, 2016). The other media was important in teaching and learning because we can learn a variety of techniques to process teaching and learning. Many students or teacher also do not have the right skills in teaching and learning and that also can create the negative impact on the digital literacy or the used media in digital literacy (Ukwoma &Iwundu,2016). As we know digital literacy need to

have the skills in teaching and used new media or technology to make an easy to students or user.

2.3 *Information professionals*

Nowadays, digital literacy was important towards information professionals because they were learned a new skill to improve their skill but all the new skill can give impact in their teaching or study. The impact of digital literacy on information professionals are higher demands of the digital information society on their teaching and demands on their knowledge on digital literacy (Mansour, 2017). According to the previous research, lack of funding was the biggest challenge to the information professionals and can give the impact to the digital literacy (Cohen, 2017). However, Besseah et al. (2017) said social media tools are one format of new technologies that are being forced to the information professionals and also can give new impact to the information professional in digital literacy skilled.

Table 1: Analysis of Review

Author	Information technology	Teaching & Learning	Information professionals
Mansour (2017)	✓	✓	✓
Al-Qallaf (2016)	✓		
Pates &Summer (2016)		✓	
Bokek-Cohen (2018)	✓		✓
Hughes (2017)	✓		
Tuamsuk & Subramaniam (2017)	✓		
Frydenberg &Andone (2016)		✓	
Hasgall et al.(2015)	✓		
Ukwoma &Iwundu (2016)	✓	✓	
Besseah et al.(2017)			✓
Urbancikova et al. (2017)	✓		
Hamilton &Neilson (2014)	✓		

3. Proposed Framework

Figure 1 show that proposed framework to guide this research concern the impact of Digital Literacy which are information technology, teaching & learning, and information professionals. In this study, we identified those three different independence variables. Independence variables define based on previous discussion in Section 2.1 Information technology, Section 2.2 Teaching & Learning, and Section 2.3 Information professionals. These independence variables are essential due to the impact of Digital Literacy towards students in higher education.
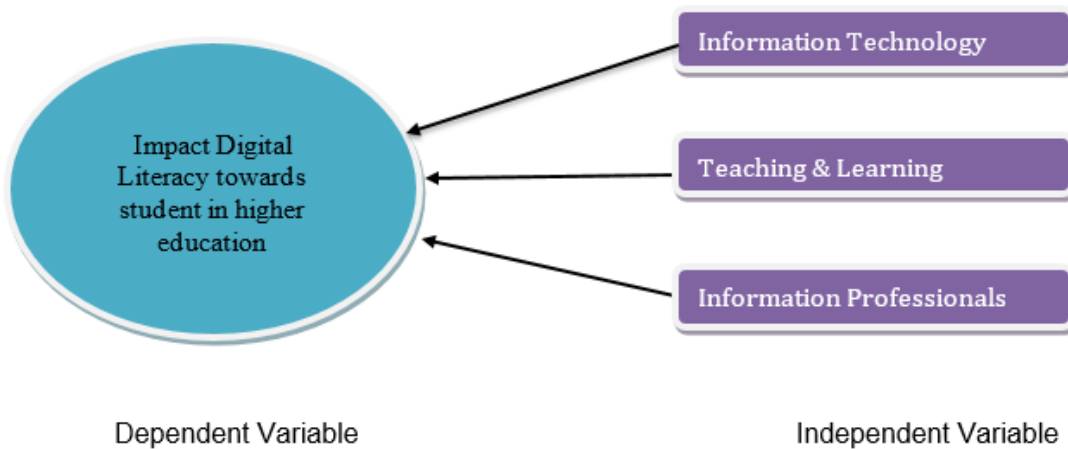
Figure 1. Proposed research framework

4. Conclusions

In conclusion, Digital literacy is a technological teaching has many influences on teaching, learning, and curriculum. This inquiry has considered both negative and positive perspectives of having digital technology in the classroom and the influences that it has on students. Nowadays, knowledge and information can be improve in digital literacy. The media learning can give impacts to the students and also can helps students improved their skill. Using a digital literacy, the knowledge could be shared from one students to another student. Knowledge also can be practice in daily life and can be a practical in digital literacy. However, if students have the skilled in their learning of digital literacy it can be new improvement to them. Digital literacy is the one of technology that can gain knowledge to the students

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