THE EFFECTIVENESS OF USING TECHNOLOGY IN CHILDREN'S LEARNING

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Abstract

Technology plays huge part in our daily activities. Technology such as laptop, smartphone and tablet assists us in completing our jobs. At the same time, technology can assist the process of children development. The aim of this paper is to assess the viability of innovation in children learning. This paper add to the achievement advancement. Parent can utilize innovation to enhance their children improvement in numerous viewpoints, for example, education and communication.

Keywords: *awareness; effectiveness; children education; children learning; technology*

INTRODUCTION

These days, families are different. How is that? With technology's impact on the 21st century family is fracturing its very foundation, and causing a disintegration of core values that long ago were the structure that held families together. As mentioned by Rowan (2013), parents juggling school, work, home, and community lives, parents now rely on communication, information, and transportation technology to make their lives faster and more efficient. Technology also improve our learning process (Cleaver, 2014). For example, smart phone allows to communicate anytime and anywhere. As a result, educational technology extends the school day for kids who will happily play multiplication games or review grammar on computer programs. At the same time,technology give huge advantage for future managing the organization, such as effective decision-makin (Izhar et al. 2013; Izhar et al. 2012)

Taylor (2014) studied on the impact of technology that improve the way we think and completing our assessment. With the technology growth, we can have the benefit to use this technology to improve our children's ability to think.

However, technology can be both beneficial and harmful to different ways in which children think. This is not just affecting children on the surface of their thinking but their brains are still developing and malleable, frequent exposure by so-called digital natives to technology.

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It is actually wiring the brain in ways very different than in previous generations. For example, the emergence of reading encouraged our brains to be focused and imaginative. In contrast, the rise of the Internet is strengthening our ability to scan information rapidly and efficiently.

ISSUES

Even though, there are studies have been conducted on the effectiveness of technology in the classroom, there is limited results focus on the impact of technology in improving learning process. Computer-based applications encourage students to improve their learning. Technology applications attempt to improve and develop a skill practice to be more entertaining for students. Based on factors listed above, it shows that how effective using the technology in children learning. It can enhance critical thinking among children, whereby they look for media that takes a deep dive into a topic, subject, or skill. Maybe they're games in which kids wrestle with ethical dilemmas or strategize about bypassing obstacles. Besides that, it can stimulate creativity among children whereby a great feature of many great learning products is the ability for kids to create new content themselves.

RESEARCH OBJECTIVES

In this paper, we aim to evaluate the effectiveness level of using technology for children learning. The research objectives are:

- To identify the impact of technology in early childhood education.
- To identify the benefit of using technology among children in their education.

RESEARCH QUESTIONS

Based on research issues, we identify two research questions. They are:

- What is the impact of technology in early childhood education?
- What is the benefit of using technology among children in their education?

FRAMEWORK AND EXPECTED OUTCOMES

In Figure 1, we propose our research framework. In this framework, we identify variables related to e-learning toward the development of children's learning. At the same time, we identify the impact of technology in early education. At the same time, this paper will identify the benefit of using technology among children in their education.
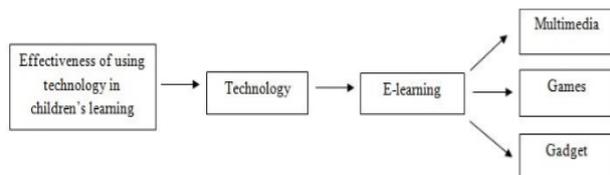

Figure 1. Research Framework.

The research framework may give some clear description about the dependent and independent variables of this study and the relationship between those two different variables which can give some significant in conducting this research. In this framework, there are three elements of the independent variables. The study will focu on multimedia usage, games usage and gadget in relation to children learning.

CONCLUSIONS

Nowadays, children need be literate about information so that they can have a better future due to the rapid development of technology. In this paper, we identify the use of the technology in learning process. It will develop a flexible curriculum to help learners participating equally in the learning experiences. The development of flexible learning environment can offer children the opportunity to explore information at their own and engage with learning materials that suit with their needs. It is compulsory for the teachers to find any technology tools that could attract children's attention towards learning and adapted the technology use so that the effectiveness of using it will be successful.

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