CENTRE OF STUDIES FOR QUANTITIY

SURVEYING FACULTY OF ARCHITECTURE,

PLANNING & SURVEYING UNIVERSITI

TEKNOLOGI MARA CAWANGAN SARAWAK

THE EFFECTIVENESS OF IMPLEMENTATION

E-LEARNING AMONG QUANTITY SURVEYING

STUDENTS AT SARAWAK

Dissertation submitted in partial fulfilment

of the requirement for the award of

Bachelor of Quantity Surveying (Honours)

**PREPARED BY: NUR AZMINA BINTI AMIR
(2019884076)**

SEMESTER: MARCH 2021 – JULY 2021

ABSTRACT

Education is one of element that vital in life. It was a success and journey to achieve any dreams and goals. Education usually conducted traditionally previously which is face to face interaction between lecturer and students, but now with the growth and advanced technology develop, education process is not normally conducted traditionally but conducted in e-learning which allow learner and instructor engage and gain knowledge even in different location with the connection of good internet. This study conducted to study the effectiveness of e-learning implement among the Quantity Surveying students, factors that contributes e-learning implement currently, how well students and lecturer manage to use any available online platform in e-learning process and because of e-learning not usually method use in daily education previously, the challenges in adapting this new norm will be elaborate in order to help any improve and changes made in the future. Other than that, the efficiency of e-learning system and benefits gain from the implementation of e-learning studied in this research. Data for this study collected using the quantitative data which is by distributing questionnaire to the selected respondent from Quantity Surveying students and then the data gain will be analyze through the result generates from the Google Form questionnaires into the IBM SPSS Statistic 26 software. From the data analyzed and discussion, the result obtain that the students faced challenges during e-learning due to the new norm but somehow, they can manage it and e-learning brings benefits in such way for them. Those challenges well manage after a few months adapting the e-learning process besides learners and instructors gain benefits from the accessibility and flexibility in term of study online because they can access the lectures or join the class anytime and does not has specific place as long as they connected to the internet and has proper devices. Other than that, the changes make the learning become more interactive and saving method in term of cost.

ACKNOWLEDGEMENT

First of all, I would like to give my gratitude to Allah the Almighty for his blessing and grant me with good health and strength throughout the journey in completing this dissertation up until here. Other than that, special thanks to my dissertation supervisor, Madam Zafikha Aida Binti Bidin for her constant guidance, very helpful and easy to approach during the process of conducting this research. I am honoured to be supervised under excellent and dedicated supervisor. I really appreciate the guidance and advise that very helpful for me completing this study.

Next, I would like to thank my dear family for their support, understanding, encouragement and love since day one I am doing this study directly or indirectly. It is meant a lot to me for being motivated and makes me eager to do well. Besides, not to forget my course mate which I always asking for guidance and related questions in completing this study and wise discussion for something that I could not figure out by myself. I really bless to have a good people surround me. Last but not least, to whoever who did not mention which give me support and help either directly or indirectly, thank you so much for that.

TABLE OF CONTENT

CHAPTER 1: INTRODUCTION

1.1 BACKGROUND OF STUDY

Hoq (2020) determine that education currently in trending globally due to implementation of online distance learning or e-learning and with the existence of highly develop technology which encourage the new system adapted (Gilbert, 2015; Kaufman & Gregoire, 2016; Wagner & Compton, 2015). According to (Vlachopoulos, 2016), e-learning has been introduced to the Higher Education previously but the institution or community worried about the level of knowledge achievement in that new education system due to the acceptance from the audience. E-learning or online learning is defined as the usage of the internet connection to improve the delivery of teaching materials, communication and collaboration between learners and instructors in a virtual environment (Ibrahim et al., 2017). Hence, (Calle-Alonso et al., 2017) describe any platform or website that are available and used for teaching and learning process are considered as e-learning.

In previous decades, learning process performs in traditional way which involve the physical attendance at the institutions, face to face classroom lectures, final exam at examination hall and use of textbooks in learning process (Eddy et al., 2014). Each student has their own preferable and suitable style to learn and react differently with the method of learning based on their level of acceptance and understanding which will result the outcome in their achievement (Sywelem et al., 2012). A wide range of electronic devices such as laptop, tablets, desktops and smartphones that available and accessible very useful in helping people to easily adapting the e-learning process. The use of variable types of platforms and application such as Zoom, Skype, Google Classroom, Google Hangouts and others made the teaching and learning process more effective, creative and interactive.