SHAHIMI M-STUDIO

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ABSTRACT

Since the COVID-19 pandemic hits Malaysia and worldwide, education must embrace the digital education approach with limited resources. One of the problems is to produce teaching and learning videos in a short period to fulfill the new norm demand in education. Not all teachers or lecturers are capable to produce a video using a computer. Hence, to ease and assist the educators, Shahimi M-Studio was invented using used cardboard to be a mini-studio and the recording is done by using a smartphone. The teaching process is done by writing on the paper. Video can be made in a shorter time relatively. The objectives of this mini-studio are to produce teaching and learning videos in a short period with limited resources, to recycle used cardboard and cheap materials, hence, to join the save nature campaign and to ensure that there are no barriers in education. This innovation is carried out to students at Kelantan Matriculation College batch 2020/2021, the video recorded using Shahimi M-Studio was uploaded to all the provided platforms and receive positive feedbacks from most of the students. The team made a few improvements to the prototype to overcome errors and hope the innovation can provide benefits to educators.

Keywords: mini-studio, video, teaching and learning, recyle

1. INTRODUCTION

Shahimi M-Studio has been created to enable lecturers to produce lesson video easily with minimum time. It has been used for first time during the first semester of 2020/2021 session to embrace new norm teaching and learning by producing videos for students references. The main objectives for this innovation are to ease lecturer in producing lesson video, since there is some lecturer do not have the equipment for recording video such as stylus tablet, decent microphones, decent camera and etc. But almost every lecturer has a smartphone. So, by utilizing smartphone as a recording device, lecturer still some sort of holder or tripod to hold the phone while recording. Instead of buying all those equipment, we decided to use recycled cardboard since there are a lot of them available.

2. INNOVATION

Shahimi M-Studio is produced using big unused cardboard that fit for lecturer to write inside of it. And the box has two holes. The first hole is facing the lecturer, and the hole must big enough to fit lecturer hand to write inside of it. And the second hole is at the top of the box, just a small hole enough to expose the smartphone camera lens through it to capturing videos and image inside of the box.

The initial design had some weakness where the light source is not enough to get a decent recording since it quite dark and a lot od shadow. Therefore, we decided to put extra lighting by using a portable led lamp, powered using 5V USB cable. The lamp only cost about RM6 to make. With this lamp, the recording is much better with extra lightning.

Figure 1. Shahimi Innovation

3. REFLECTION

3.1 Focus Group

At first, Shahimi M-Studio is used by lecturer in Math Unit of Kolej Matrikulasi Kelantan for producing lesson videos. It can be widen used by other lecturers in other units.

3.2 Findings

We collect lecturer's feedback after Shahimi M-Studio being use. The lecturer who use this are satisfied with the result of video made, and students also understand the video. We conclude that most of the lecturers are satisfied using Shahimi M-Studio.

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