

# Mobile Multimedia Evaluation: Development of Stop to Drugs Tutorial

Meng Yan, Xiaoying Chang, Jin Lie

**Abstract**— This research is intended to evaluate the development of mobile multimedia based stopping drug tutorial. This tutorial as a campaign that should encourage people's ability to integrate all information resources from mobile application to stop drugs. The tutorial focuses on how people understand about drugs and what to do if someone is drugs addicted. Stopping drug tutorial is created using ADDIE instructional development method, and during the developing stage, it is done using Multimedia Development Life Cycle according Luther. Subjects of the research are visual communication and computer experts in preliminary development testing. Evaluation was conducted using the analytic descriptive method combining with multimedia evaluation method, and interpreted in a narrative way based on the research findings. The evaluation of mobile multimedia application uses combination of evaluation that is used by educationalist with ISO 9126 that was used by software. The research findings show that mobile multimedia stop drugs application can be used with minor revision.

**Index Terms**— drugs; evaluation; mobile device; multimedia

## I. INTRODUCTION

Learning is a necessity in life, since his/her birth till the ends, to be able to achieve his/her independence and to adapt to various environmental changes [1]. Nowadays, due to globalization and proliferation of technology, mobile applications are used for variety purpose, including learning, information, campaign, advertisement, etc. Using together multimedia elements in mobile application such as images and animation that are equipped with sound, video clips, and text, will be able to give clear meaning to those who need it. Vaughan stated that multimedia can bring radical changes in the learning process, from passive student learning to active student learning [2]. So multimedia can be used to inform young people that drugs harm their health.

There is also the fact that smoking, drinking alcohol or taking drugs are seen as acts of rebellion. Young people know that these potentially harmful substances are bad for them which make them even more attractive. They understand that it is risky and frowned upon by adults, but it can give impact an excitement, comfort, confidence, and bravery. Young people do not care the addiction and even damage their health in the long time [3].

This study aims to develop a mobile multimedia application particularly to campaign or inform that drugs harm their health and developing damage young generation, and then evaluate it whether achieve the objective and useful for young people. This application can be used by people especially young generation to understand how dangerous and harmful drugs is. By studying through running the mobile application, it is expected to enhance people avoid the drugs environment and the instruction if someone is in a situation involved to drugs abuse.

Prior research shows that the criminal offenses of heroin and crack-cocaine users were examined. In summary, little evidence suggests that illicit drugs, when all other variables are removed, are associated with violent crime. "The National Criminal Victimization Survey perceived more than one fourth of violent criminal assailants to be under the influence of alcohol, less than 10% of these assailants were reported by victims to be under the influence of illicit drugs". Rather, most illicit drug-users commit less violent economic crimes in order to support their expensive habit. [4].

### A. Drugs

World Health Organization (WHO) defines Drug; Drug is a chemical substance of synthetic, semi synthetic or natural origin intended for diagnostic, therapeutic or palliative use or for modifying physiological functions of man and animal. Drug impacts directly influence the economic and social aspects of a country and physically to a human body. These drug addicted people are from all strata of the society. It shows that the country is going to be transformed into potential users of drugs with the rapid increase in the number of addicts. [5]

After the pre-mature stage abusers become seriously addicted. They have to take it every day, after a certain period. In maximum of cases it is taken from evening to night time. For that, they are busy all day long in collecting the expenditure of drug. They need much more money for it and sometimes they turn against the law. Many discontinue their education after failing to concentrate on any kind of discipline. After mature stage most of the abusers stay on the verge of decaying. It means gradually their lives crumble. Gradually after a few hours they have to take it, otherwise their body system stops. In that situation the abuser loses human characteristics and behaves like a monster.

The body relaxes and the mind feels fresh after taking drugs. If an addict cannot take it, peevish temperament occurs and he doesn't wish to work or even talk. S/he feels fever, headache, itches in his body and sometimes vomiting also occurs. Most of the students of this group are frustrated and unhappy in their study life.

Drug addiction has grabbed not only the youth but it has

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Meng Yan is with Multimedia Department, Beihang University, Beijing, China (e-mail: menghan@bua.edu.cn).

Xiaoying Chang is with Multimedia Department, Beihang University, Beijing, China (e-mail: xchiang@bua.edu.cn).

Jin Li is with Informatics Department, Guangdong University, Guangzhou, China (e-mail: jli@gdu.edu.cn).