UNIVERSITI TEKNOLOGI MARA

A CASE STUDY OF THE USE OF ICT TOOLS AND SOFTWARE IN TEACHING AMONG VISUAL ART TEACHERS IN A MALAYSIAN PRIMARY SCHOOL

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Thesis submitted in partial fulfilment of the
Requirements for the degree of
Master of Education

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CANDIDATE'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the regulation of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This topic has not been submitted to any other academic institution or non-academic institution for any other degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulation the conduct of my study and research.

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ABSTRACT

Nowadays, Information and Communication Technology (ICT) has become a challenge to the nation, particularly to the education system to provide human resources with knowledge and expertise in this field. Three main objectives of this case study are to investigate how teachers use ICT tools in the process of teaching and learning Visual Arts in Primary School; to investigate the factors that influence teachers in using ICT in teaching and learning Visual Arts in Primary School; and to investigate the teachers' understanding of the use of ICT tools and software in teaching and learning Visual Arts in the primary school. The method used is a mixed method design based on a case study. Activities such as interview, observation and survey were used to collect data. For the interviews, observations and survey, the researcher collected and retrieved information from teachers involved, where the emphasis was on the problems faced by teachers in the use of ICT in teaching and learning of Visual Arts. It was found that the problems that existed among the teachers in the use of ICT tools and software technology in the teaching of Visual Arts in the school were problems related to time, the attitude of teachers, lack of knowledge and skills, inadequate exposure and training in ICT, lack of computer labs in the school and imperfect ICT facilities. Finally, suggestions are given relating to the use of techniques (Instruction Manual) for Paint software to be used by teachers in the teaching of Visual Arts at the school.

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CHAPTER 1

INTRODUCTION

1.0   Introduction

The use of electronic technology in teaching and learning has grown in line with the technological advances. Generally, the use of radio in education began in the 1930's followed by the use of television in the 1950's and beyond with the use of computers in the 1960's (Mohamad, 2004). Nowadays, information and communication technology (ICT) has become a challenge to the nation, particularly to the education system to provide human resources with knowledge and expertise in this field. Skills and expertise of an individual in the field of ICT is critical for achieving the nation's vision in creating a highly skilled workforce and professionals (Megat Aman Zahiri Megat Zakaria, Baharudin Aris, Jamalludin Harun). Therefore, this area becomes a necessity especially for the Ministry of Education as a leader in the field of ICT involving education system. Through the selection of the workforce, the ministry is to provide physical requirements to enable the use of ICT are applied consistently and uniformly in all organizations under the ministry. The use of ICT can have a positive impact, bring change and reform the education system to improve the country's education system internationally.

Thus, the integration of information and communication technology (ICT) has become a high priority (UNESCO, 2002; Jamieson-Proctor, Burnett, Finger & Watson, 2006). In principle, in any education system, there is no any restrictions