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JUDUL: DEUTERANOMALY KIDS : TESTING

SESI PENGAJIAN: 1 - 2004/2005

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DEUTERANOMALY KIDS: TESTING

AINI FADZILAH BINTI JALALUDDIN

This report is submitted in partial fulfillment of the requirements for the
Bachelor Of Information And Communication Technology (Interactive Media)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
OKTOBER 2004

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ADMISSION

I admitted that this project title name of

DEUTERANOMALY KIDS: TESTING

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DEDICATION

To my beloved family Ayah, Along, Abang, Mirah and Alan. Thanks for all of your love and support. To all my friends Mama, Nana, Miza, 1st Batch BITM 2004.

Thank you very much for everything.

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Thanks to Dear Allah s.w.t, because at His grant I can complete a "Projek Sarjana Muda" with successful.

A million of thanks goes to my beloved parent and my family Ayah, Along, Abang, Mirah and Alan because give me a lot of moral support, motivation and a helping hand until at the end of my project. To all lecturer and my friends such as Miza, Naa and Isma thank you very much for everything.

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Aini Fadzilah Binti Jalaluddin
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ABSTRACT

Usually this research is about colour-blind (deuteranomaly) kids testing how to recognize colour. The writer will develop this Deuteranomaly Kids : Testing system for colour-blind (deuteranomaly) kids to test about types of colour. The writer will make a research for search a suitable techniques such as how to make a colour-blind (deuteranomaly) kids test the types of colour more effectively. This project is developing for medical industry. On this research many people will know there are many different types and degrees of colour-blindness. This CD is a new style of testing types of colour for colour-blind (deuteranomaly) kids. Our target market for use this CD is colour-blind (deuteranomaly) kids, between seven to nine years old. Colour blind (deuteranomaly) kids not interested to test about types of colour because the CD is not suitable to them. This CD is more to user interface. This is because user interface play an important role to attract colour-blind (deuteranomaly) kids to use this CD.While doing this research the writer will use some suitable method such as qualitative approaches methodology for research and waterfall methodology for software development. I hope this research will attract the reader. In addition it will give an idea to next generation for continuing this research and more focus in this research.

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ABSTRAK

Kajian ini adalah berkenaan bagaimana kanak-kanak buta warna jenis "deuteranomaly" mengenali warna. Penulis membangunkan sistem Deuteranomaly Kids: Testing adalah untuk kanak-kanak buta warna (deuteranomaly) menguji berkenaan jenis warna. Penulis melakukan kajian ini adalah untuk mencari teknik yang sesuai iaitu bagaimana kanak-kanak buta warna (deuteranomaly) menguji berkenaan jenis warna dengan cara yang lebih efektif. Projek ini dibangunkan untuk industri perubatan. Di dalam kajian ini kebanyakan orang mengetahui terdapat berbagai jenis dan tahap buta warna. CD ini adalah cara baru untuk menguji jenis warna bagi kanak-kanak buta warna (deuteranomaly). Sasaran bagi pasaran untuk menggunakan CD ini adalah kanak-kanak buta warna jenis "deuteranomaly", yang berusia dalam lingkungan tujuh hingga sembilan tahun. Kanak-kanak buta warna (deuteranomaly) tidak berminat untuk menguji berkenaan jenis warna, kerana kebanyakan CD yang terdapat di pasaran tidak bersesuaian dengan mereka. CD ini adalah lebih kepada antaramuka. Ini kerana antaramuka memainkan peranan yang penting untuk menarik perhatian kanak-kanak buta warna (deuteranomaly) untuk menggunakan CD ini. Bagi kajian ini penulis menggunakan beberapa kaedah yang bersesuaian seperti metodologi kualitatif untuk kajian dan metodologi air terjun untuk membangunkan perisian. Diharap kajian ini dapat menarik perhatian pembaca. Tambahan pula ia akan memberi idea untuk generasi akan datang untuk menyambung kajian ini dan lebih fokus di dalam kajian.

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LIST OF ACRONYMS

ACRONYM	DESCRIPTION
[D]	
DFD	Data Flow Diagram
[B]	
ERD	Entity Relationship Diagram
[K]	
KUTKM	Kolej Universiti Teknikal Kebangsaan Malaysia
[V]	
Vs	Versus

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CHAPTER 1

INTRODUCTION

1.1 Preamble/Overview

This research is for colour-blind (deuteranomaly) kids testing how to recognize colour. Many people think anyone labelled as "colour-blind" only sees black and white. This is a big misconception and not true. It is extremely rare to be totally colour-blind. There are many different types and degrees of colour-blindness. The deuteranomalous person is considered green weak.

Deuteranomalous individuals do not have the loss of brightness problem. From a practical standpoint though, many protanomalous and deuteranomalous people breeze through life with very little difficulty doing tasks that require normal colour vision. Some may not even be aware that their colour perception is in any way different from normal. The only problem they have is passing that "Blank Blank" colour vision test.

The writer will develop this Deuteranomaly Kids: Testing system for deuteranomaly kids to test how to recognize about types of colour. So that the writer will make a research for search a suitable techniques such as how to make a colour-blind (deuteranomaly) kids to testing how to recognize about types of colour more effectively.

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In this CD information about types of colour such as red, yellow, green, blue, orange, purple and other else. Users can testing types of colour especially for colour-blind (deuteranomaly) kids. This CD includes multimedia element to provide are interactive learning curves to the user.

This project is develop for medical industry and the propose system is a computerized publications. This CD is a new style of testing types of colour for colour-blind (deuteranomaly) kids. This CD will make more enjoyable for colour-blind (deuteranomaly) kids.

To get more information about colour-blind (deuteranomaly) kids, writer went to the Universiti Kebangsaan Malaysia, Optometry Clinic at Hospital Kuala Lumpur for reference.

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1.2 Problem Statement

Some problems are recognizing from this research, such as colour blind (deuteranomaly) kids not interested to testing about types of colour because the CD is not suitable to them. The colour-blind (deuteranomaly) kids also have a problem about a method testing techniques. This is because the technique is different between colour-blind (deuteranomaly) kids and normal kids. Other than that the CD about testing types of colour for colour-blind (deuteranomaly) kids is not exist in Malaysia market. The deuteranomalous person is considered green weak. Deuteranomalous individuals do not have the loss of brightness problem.

To solve this problem, the writer is suggesting that a CD for colour-blind (deuteranomaly) kids to testing about types of colour. To developing this CD the writer will use a suitable technique for colour-blind (deuteranomaly) kids to testing for recognize colour. This CD includes multimedia element to provide an interactive testing.

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1.3 Objective Of Project

The objectives of this project are:

i. As a tool for colour-blind (deuteranomaly) kids to test about types of colour.

ii. To give information about colour-blind (deuteranomaly) and about types of colour.

iii. This CD is a one of the methods for colour-blind (deuteranomaly) kids to test about types of colour.

1.4 Scope Of Project

The project will be develop is about Deuteranomaly Kids: Testing. The purpose of this project is to introduce an interesting and suitable techniques for colour-blind (deuteranomaly) kids to test how to recognize colour. Our target market for use this CD is colour-blind (deuteranomaly) kids, between seven to nine years old. This is because the deuteranomalous person is considered green weak.

Many people think anyone labelled as "colour-blind" only sees black and white. This is a big misconception and not true. There are many different types and degrees of colour-blindness more correctly called colour deficiencies, but this CD will develop for colour-blind (deuteranomaly) kids. Deuteranomaly are the most common forms of colour-blindness. People with these conditions have cones that are insensitive to medium wavelengths (greens).

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This CD is concentrating more into developing a graphical user interface. This is because user interface play an important role to attract colour-blind (deuteranomaly) kids to use this CD. It will develop for Malaysia market. The CD will content a graphics and colourful objects. It is interesting and suitable to help colour-blind (deuteranomaly) kids test to recognize colour. The CD will include multimedia element to provide an interactive for testing to the user.

1.5 Contributions

This research is for colour-blind (deuteranomaly) kids testing how to recognize colour. On this research many people will know there are many different types and degrees of colour-blindness. In most colour-blindness, the person has a different mixture of cones from normal. The cone cells on the retina are the crucial physical components in seeing colour. Deuteranomaly is green insensitive anomalous condition.

The writer will do some research to get a suitable technique for colour-blind (deuteranomaly) kids testing how to recognize colour. This CD also will use as a tool for colour-blind (deuteranomaly) kids test about types of colour. The writer will develop this CD as an alternative to colour-blind (deuteranomaly) kids to test about types of colour.

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