

**THE EFFECT OF WEB-BASED COMIC ON FASTING PRACTICE
DURING RAMADAN**



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

THE EFFECT OF WEB-BASED COMIC ON FASTING PRACTICE DURING
RAMADAN

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This report is submitted in partial fulfillment of the requirements for the
Bachelor of Computer Science (Interactive Media) with Honours.

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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2021

DECLARATION

I hereby declare that this project report entitled
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RAMADAN]**

is written by me and is my own effort and that no part has been plagiarized
without citations.

STUDENT

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(NUR DALILAH BINTI SACHRUL BACHURI)

Date : 6/9/2021



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I hereby declare that I have read this project report and found
this project report is sufficient in term of the scope and quality for the award of
Bachelor of Computer Science (Interactive Media) with Honours.

SUPERVISOR

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(TS DR SITI NURUL MAHFUZAH MOHAMAD)

Date : 6/9/2021

DEDICATION

This final year project is dedicated to my whole family and friends. My parents, my sisters, my brother, and my friends who have been supported me, gave me strength, inspiration, and encouragement throughout the process of developing this project.

Also not to be forgotten, I dedicate this project to my supervisor Ts Dr Siti Nurul Mahfuzah who have been guiding me from the start until the end of this project. Thanks to my supervisor for the opportunities that I got new experience in making the web comic which I never thought I ever will.



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I would like to express my gratitude, appreciation, and acknowledgement to my whole beloved family. My parents Sachrul Bachuri and Hairiyah, my sisters Nurrahmadanniah and Nur Syaheerah, my brother Abdul Khairi, and my friends who I cannot even mention the whole name list have been supported me, gave me strength, inspiration, and encouragement throughout the process of developing this project. With their help, I was able to deny the thought of giving up half way.

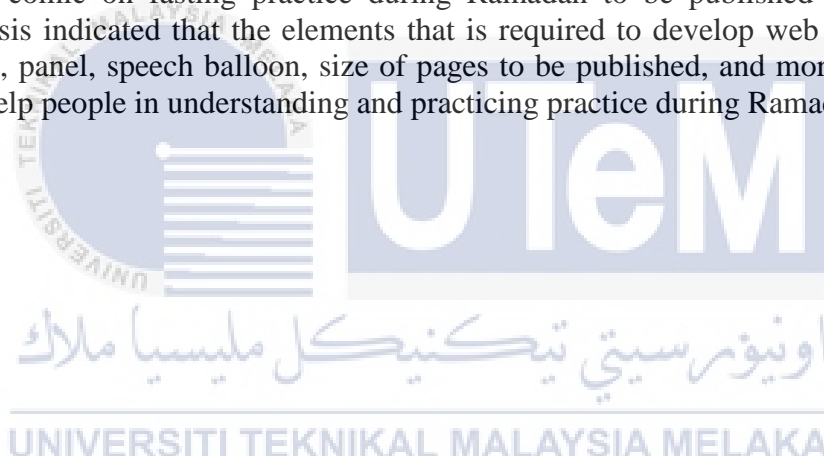
I would like to express the sincere gratitude and appreciation to my supervisor Ts Dr Siti Nurul Mahfuzah for the opportunities she gave me to conduct this project and guiding me throughout the whole process from the beginning until the end. Without her, I would not have this new experience of doing the project which I never thought of doing it. This new experience help me to not afraid of doing something new and to not thinking of giving up and always try to give the best of what we can. Thank you for all your guide and help in the project.

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ABSTRACT

With the advanced technology, comic has now can be found not only in the form of comic book and comic strip but also can in the form of web comic. Web comic nowadays has become not only for fiction story but also one of the alternative method in learning. There are so many books about Islam or fasting during Ramadan can be found. However, only a little can be found in the form of comic especially web comic. Since comic come with images and text to visualize the information, it will be more attractive and the process of remembering the information will be easier. Thus, the information will be easier to practice. Therefore, this project will develop the web-based comic on fasting practice during Ramadan to be published in a platform. Analysis indicated that the elements that is required to develop web comic as such layout, panel, speech balloon, size of pages to be published, and more. This project will help people in understanding and practicing practice during Ramadan.



ABSTRAK

Dengan kemajuan teknologi pada zaman sekarang yang makin berpesat, komik tidak hanya dapat ditemukan dalam bentuk buku komik malahan juga boleh didapati dalam bentuk komik web. Komik web sekarang bukan sahaja mengandungi cerita-cerita rekaan atau fiksi namun juga telah menjadi salah satu cara alternatif dalam mempelajari sesuatu. Terdapat banyak buku tentang Islam atau puasa semasa bulan Ramadan dapat ditemukan. Namun begitu, hanya sedikit yang dapat ditemui didalam bentuk komik terutamanya komik web. Kerana komik datang di dalam bentuk gabungan gambar dan tulisan untuk memvisualisasikan sesuatu informasi, ia akan menjadi lebih menarik dan proses mengingat informasi akan menjadi lebih senang dan mudah. Oleh itu, informasi akan lebih mudah untuk diamalkan. Dengan itu, projek ini akan menghasilkan komik web berasaskan puasa semasa bulan Ramadan untuk diterbitkan di sebuah platform. Analisis menunjukkan bahawa terdapat beberapa elemen yang diperlukan untuk menghasilkan komik web seperti 'layout', panel, 'speech balloon', dan ukuran halaman untuk menerbitkan komik, dan banyak lagi. Projek ini akan membantu ramai orang dalam memahami dan berlatih mengamalkan puasa semasa bulan Ramadan.

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LIST OF ABBREVIATIONS

FYP	-	Final Year Project
SME	-	Subject Matter Expert



CHAPTER 1: INTRODUCTION

1.1 Introduction

Comic or web comic nowadays has become one of the alternative method in learning. A situational learning system using a comic play was devised to help students learn through scriptwriting in groups (Chen, 2018). With the rising of technology, web comic is now more popular and attracted as it is easier to get. Moreover, in this era of digital technology, people are more interested in using the technology or gadget as the medium to gain something.

This project is based on the web-based comic development. It is about the effect of web-based comic on fasting practice during Ramadan. Learning material that is packaged through a clear story line will make the subject matter last longer in students' memories and understanding (Rina, 2020). The target audience for this project is for all range of age especially for student in order to learn practicing fasting during Ramadan. Thought it can also be for general because it contains knowledge about fasting during Ramadan.

Since there are many do's and don'ts that we need to practice during fasting on Ramadan. Some people might have it difficult to practice or implement what they must do, what they must avoid during fasting. The comic can help in better understanding on the fasting practice based on the situation and storyline portrait in the comic.

1.2 Problem Statement(s)

Learning nowadays might be boring and difficult if we still use the traditional method which is using textbook and whiteboard. This is because elements contains on textbook and whiteboard have only plaintext and a few pictures. Some might do not even have pictures at all. It can also take longer time to understand and practice something by text rather than through visual. This make someone lost interest and could decrease the learning and practicing efficiency. Some people might have it difficult to practice or implement what they must do and what they must avoid during fasting since there are so many rules to follow during fasting on Ramadan.

1.3 Objective

The objectives of this project are:

- i. To identify web comics elements and component for practicing fasting during Ramadan
- ii. To develop web comics based on the identified elements and components
- iii. To evaluate the effectiveness of web comics for fasting practice during Ramadan

1.4 Scope

There are two scope in this project to be included which is:

- i. **Target Audience** – The target user is for all range of age especially for student in order to make them more understand on learning and practice fasting during Ramadan. In addition, it also can be applied to general as it contains knowledge about fasting during Ramadan.
- ii. **Content** – There are a few contents or episodes to be included in the web comic:

- a. What is Fasting?
- b. Intention - Niyyah
- c. Suhoor
- d. Break Fasting
- e. Sunnah
- f. Bonus: Forgot

1.5 Project Significance

The purpose of this project is to act as a medium in order to help students in better understanding in learning and practicing fasting during Ramadan through web comic. The web comic will include a few elements such as characters, speech bubbles, panels, and captions. All elements in the comic will make users attracted and easier to learn and understand. This web comic project also is easier to access anywhere and anytime by using the technology nowadays. It also comes with contents where it makes it easier for users to search for certain topics to learn and practice, without having to read the whole comic.

1.6 Conclusion

The expected outcome of this project is that users can easily learn, understand, and improve their fasting practice during Ramadan through this web comic, with all the elements and components provided. Users can also access this web comic easily. To conclude, this chapter explains the general overview of the project, problem statements, the objective of the project, and solution in order to overcome the problem, which leads to the objective of the proposed project, and the project significance.

CHAPTER 2: LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

Literature review is a summary of a subject field that support a specific research. The literature review contains analysis form various sources and materials such as books, journals, articles, and web resources. These materials and resources search will be useful in identifying relevant documents and sources based on the subject field.

2.2 Domain

Domain related to this project is web-based comic. According to Ilamsyah et al, (2020), virtual comic books are now more advancing and developing in this era of internet and technology with the evidence of the increasing number of shares of virtual comic book. Digital comics have more advantages compared to the printed one as it have borderless ability such as it is not limited by patterns and layout, and it is also can be stored and shared to various medium digitally (Rina et al., 2020).

Faisal D. et al, (2020) stated that printed comic book has several pages that can be turn one by one. It is contrast with webcomic which only has one long vertical page serve as infinite canvas. This make it easier and flexible for readers whether they want to use laptop or phone to scroll down to read. Digital comic is expected to help in active, creative and innovative learning which can help student understand the contents presented (Rina et al, 2020). However digital comic is not tied with format. In fact, they can define their own format (Ditmar, 2012). Meaning that the format is not bound by the paper size format as long as the story can be read and can be scroll over.

Thus, this project is to develop a web-based comic on fasting practice during Ramadan and to evaluate the effectiveness of the web comic. The web comic covers basic practice knowledge about fasting during Ramadan, which is suitable for children and student. It aims to make the target audience understand and can practice the basic knowledge about fasting during Ramadan. A few contents included in the web comic are ‘What is Fasting?’, ‘Intention (Niyyah)’, ‘Suhoor’, ‘Break Fasting’, ‘Sunnah’, and ‘Bonus: Forgot’.

2.3 Existing System

Early comic or traditional comic is a paper-based comic. There are two type of comic which is comic strip which found in magazine or newspaper and the other one is comic book. Both type are in printed form comic where people need to buy or borrow from library in order to read them. However, in this era of internet and technology, web comic or digital comic is more popular as it is easier to get and read.

The comic book *Kompilasi Komik Adik Muslim Spesial Ramadan* published by Ana Muslim Sdn Bhd is one of the example that is similar with this project. The comic book consist of 100% colored comic. With various style of layouts, and not only contains comic. The book is packed with full of fasting practice during Ramadan. There are 3 types of speech balloons included in the comic. The first one is rounded balloon with tail which is use for public speech and is intended show that the character is speaking clearly to be heard by other characters. The second balloon used is serrated contour balloon, which is use to express character’s emotion like angry or excited while screaming. Thought balloon, which is specifically to show thought by a character which is not clearly spoken also used in the comic.



Figure 2.1: Super Alyaa Batrisyia Malam Raya from Ana Muslim Comic

Another existing system that is related to this project is the comic strip. The comic strip on a blog site with the title “What We Love About Ramadan”. The comic strip was made by Ernest Ng on <http://dontlikethatbro.blogspot.com/2013/07/what-we-love-about-ramadan.html>. The comic is just a simple comic strip on what the author likes during Ramadan. Drawn with a traditional comic format with similar layout which is regular 2x3 borderline panel. There are 2 types of speech balloons included in the comic. The first one is rounded balloon with tail which is intended to show that the character is speaking clearly to be heard by other characters. The second balloon used is serrated contour balloon, which is use to express character’s emotion like angry or excited while screaming. The comic is not a storyline comic, which the author includes total of 6 different situations in a layout consist of 6 panels.



Figure 2.2: What We Love About Ramadan Comic Strip
<http://dontlikethatbro.blogspot.com/2013/07/what-we-love-about-ramadan.html>

The third existing system similar with this project is from The Muslim Show that is published on Facebook. It not only focusing on Ramadan but entirely theme about da'wah. The comics from The Muslim Show uses semiotic symbols. The semiotics symbols used in the comics is to study the meaning behind the created symbol (Azizi, 2021). The characters in the comic are drawn in the form of silhouette. All the comics come with various layout, and some even have only 1 panel layout. The speech balloons is drawn differently in each comic which some in the panel and some are outside panel. Most of the speech balloons used is rounded balloon with tail to show that the character is speaking and is intended to be heard by the other characters in the comic.

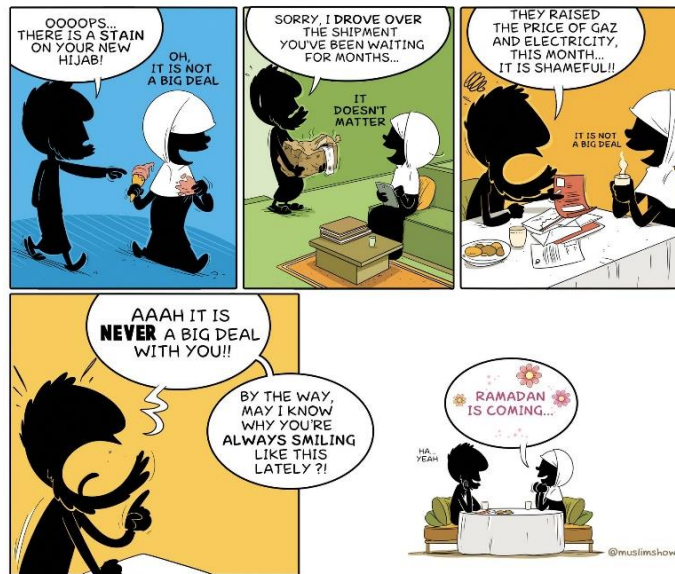


Figure 2.3: The Muslim Show Web Comic Strip - Welcoming Ramadan
<https://www.facebook.com/themuslimshow/photos/a.235733069882108/2039545816167482/?type=3&theater>

The last we comic that existed similar with this project is a web comic with the title 'Journey of a Muslim' in Webtoon platform. The comic covers various topic related to Muslim and one of the sub-topic is 'Ramadan Special: First Ramadan'. It is a comic strip with only short story for each sub-topic. This web comic comes with similar vertical sequence layout with 4x1 borderline panel. The speech balloons is used in this comic is same which is it is drawn inside the panel. Most of the speech balloons used is rounded balloon with tail which indicate that the character is speaking. Journey of a Muslim was drawn in black and white. No colors added to each of the sub-topic. Figure 2.4 shows only a snippet of the comic.