

UNIVERSITI TEKNOLOGI MARA

**HALAL VIRTUAL INSPECTION WEB-BASED SYSTEM
(HALAL-VI)**

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ABSTRACT

Technology nowadays is very easily accessible by any user regardless of time, place and age. In addition, the COVID-19 pandemic situation that has hit the whole country now has caused many people to face difficulties, among of them are the traders, who want to open a business or continue their business. For those who want to start a business especially those who need Halal Certificate (HC) certification, they need to submit a form and wait for the auditing process or more simply called inspection. The inspection process is now taking quite a long time because during this pandemic season, the public is not allowed out because of the Movement Control Order which has been directed by the government to reduce the risk of the virus spreading. This project is about developing Halal Virtual Inspection Web Based System for Halal Certificate (HC) applicants, inspectors and Admin. This project will cover three objectives which are to identify the requirement, to design, and to develop Halal Virtual Inspection Web Based System. The scope of this project is focusing on the Halal Certificate applicants to undergo the inspection process set by Admin through uploaded video recording related inspection matters that has been uploaded by inspector. In addition, users can also upload a list of documents required for the Halal certification process that have been specified in the Checklist that has been provided. However, this project can be only on website platform and does not include a payment gateway for the fee of the certificate. The method employed to complete this project is the Web Development Life Cycle (WDLC) model that cover up from planning to testing phase. Based on the findings, the project outcome is summarized to show the smoothness and efficiency of the Halal Certificate after the inspection process. On the basis of user feedback from testing session conducted, the weakness and recommendation for future development of this project was recognized. This project uses PHP programming such as Notepad++, MySQL and Laragon server for the development of Halal Virtual Inspection Web Based System. Some recommendations are made for future works after tested this web-based system in terms of live video meeting should be implemented to enhance to inspection matters. Moreover, the system itself need to improve on the interface design in order to increase user satisfaction and follows web-based system characteristics and able to be in mobile application platform.

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CHAPTER ONE

INTRODUCTION

Chapter Overview

This chapter focus on the research context such as the concept, intent, aims, scope, limitation, and sense of the project's issue. The history of the project will give the reader an overview of what the project is all about. Besides, the project's problem statement refers to the current problems found by adhering to the project. On top of that, the project's aim is to give a general objective of the project that is expected to achieve. Lastly, the scope is justified, and the significance of the project is discussed.

1.1 Project Background

Malaysia is gearing closer to turn into a prime participant within side the international Halal market (Badrudin et al., 2012). They said that the method of awarding Halal Certification entails now no longer simplest a legit website page inspection of manufacturing plant life. It includes the exam at the Halal repute of uncooked materials. In Malaysia, JAKIM is responsible for Halal certification from the establishment of the Halal logo, tracking and enforcement. With that, to ensure that Halal shariah standards are followed. JAKIM is vested with a wide power covering the legislative, executive and judiciary role (Aziz et al., 2016). Besides, As the duty of JAKIM covers all troubles on Islamic matters, this have a look at will most effective look at the strength of JAKIM in governing halal affairs.

Nowadays, the halal marketplace has grown to be the maximum influential enterprise with inside the international and turning into vital now no longer best in Muslim nations however additionally in non-Muslim nations of the international (Muhammad et al., 2009). According to (Et. Al., 2021), Halal inspection is one of the main vital processes in Halal Certification system. However, they also said that due to the problems that arise in Halal