Title: HALAL MANAGEMENT SYSTEM WITH A COMPUTING PLATFORM

Abstract: A halal management system with a computing platform (100) for improving the efficiency of enforcing halal regulation compliance. Continuous monitoring and control of every batch of halal products is included as a national mandate.
HALAL MANAGEMENT SYSTEM WITH A COMPUTING PLATFORM

FIELD OF INVENTION

The present invention relates to the halal industry, in which prescribed procedures required for attaining halal certification are recorded in a management system and the processes are traced and monitored for certificate compliance.

BACKGROUND OF THE INVENTION

The halal practice relates to several aspects such as food, pharmaceuticals, toiletries, cosmetics, ether based products, food additives, food supplements, drugs, vaccines, Islamic finance, Islamic insurance, etc. The key halal markets are in Asia Pacific, middle east/north Africa, sub-Saharan Africa, Europe and America. The global halal market is estimated at 1.3 trillion dollars as of 2012 and is likely to continue to grow. There are thus new and growing business opportunities for the supply of halal products.

Halal food relates to animal products as well as plant products. For the halal animal products, the pre-defined slaughtering process, for example, for controlling microbial contamination needs to be complied with. Halal for animal products may relate to land or sea animals. Plants are mostly considered halal except for those that intoxicate. Halal food products generally include halal raw meat as well as halal processed food.

Toyiyiban or wholesomeness is a requirement for halal food products. Toyiyiban primarily concerns with the areas such as: the processing, safety, hygiene, handling, contamination, licensing and cleanliness of the production premises, nutrition of the product as applicable, labeling, packaging, transporting of the products to the retailers or consumers, and so on.

The process for halal certification is basically divided into three steps: a) application, b) audit, c) approval and certification. The process of application requires submission of supporting documentation to indicate interest in certification compliance and to provide business related information such as on the organization structure, management team, turnover, preparation and handling process flow for the halal product,
the list of ingredients used for the production of the halal product, storage, delivery, and so on. The process of audit requires halal inspectors to review the documents, inspect and audit the related premises. Commonly, halal inspectors include one qualified in both Shariah matters and technical matters. The inspectors conduct site visit to ensure matters such as the workflow, procedures, documentation and staff requirements are all in order and complied with the relevant Shariah regulations. From the site, generally the inspectors also collect samples from the raw materials and from the finished products, for further assessment on compliance with the halal product guidelines. Once the audit stage is completed, approval and certification is provided by the halal governing agency that is responsible for governance of the halal industry in the respective country. This halal certification includes qualifying for toyyiban as well.

The publication titled: ‘halal food supply chain integrity: from a literature review to a conceptual framework’ by Mohd Hafiz Zulfakar and et.al, School of Business IT & Logistics, RMIT University, Melbourne, Australia highlights a grave concern. The image of the halal food industry has been tarnishing due to the increasing number of fraudulent halal certifications and physical contamination of the halal food products. Halal food consumers are now starting to question the authenticity and integrity of the halal foods that they consume, especially those that come from the non-Muslim majority countries.

This publication is a literature review on halal food supply chain management and on issues pertaining to halal integrity.

Patent number US 7,043,442 relates to unique identifiers that are defined with respect to the products (ingredients) for certification of the respective ingredients with respect to a particular food quality. The information is stored in a computer database. The certification agency associated with the manufacturer is then able to certify the food quality regarding the product, based in part on the retrieved information.

Validation is generally done annually to ensure compliance with halal procedures, but this allows rooms for suppliers and product manufacturers to bypass some procedures or save cost to yield higher return on investment, thus impacting the integrity of halal products. The current mechanism in place mostly revolves only around ensuring once a year that the processes, the products and the concerned personnel are all halal.
compliant.

SUMMARY OF THE INVENTION

The invention proposed below relates to providing a computing platform in order to reduce scope for negligence or misuse of the halal certification. The complete process of application, audit, approval and certification under the halal product supply chain is managed under this computing platform. This platform also enables continuous monitoring and control of every batch of halal products reaching the consumer market. Thus, the actual practices being followed on site for every batch along the halal product supply chain is kept track of, in order to comply with the requirements of halal practice and toyyiban.

According to a first aspect of the present invention, a halal management system for a halal supply chain is provided. The system comprises:

a) an online computing platform;

b) a halal registry (HR) module disposed in the computing platform, wherein the HR module comprises a data repository for halal certified (HC) entities and halal regulation guidelines, and the data repository is protectable and governable by a halal governing agency (HGA);

c) a halal electronic product code tracking (HEPCT) module disposed in the computing platform, wherein the HEPCT module is used to assign a unique code to each raw material, each intermediate product or each finished product and is used for entering the unique code into the HEPCT module at predefined stages of processing, starting from the raw material to the finished product, so that the unique code is useable to retrieve a processing history of the intermediate product or the finished product;

d) a halal authentication (HA) module disposed in the computing platform, wherein the HA module is operable to validate non-halal certified (NHC) entities, and the HA module is operable in coordination with the HEPCT module to retrieve the processing history, with the validation being conducted by authorized inspectors and under prescribed authentication guidelines stored in the HR module, and the HA module is further operable by the HGA for issuing of halal certification and thereafter recording the halal certification under the category of the HC entities;
and

e) a software program embedded in the HA module for detecting non-compliance of a product with corresponding HC recipe stored in the HR module and raising an alert when an output information as measured for the product does not correlate with the corresponding HC recipe.

Compliance with the halal regulations is easier and more effectively managed with this computing platform due to its transparency, traceability and accountability within the whole process of the halal product supply chain. Human intervention, lapses and scope for manipulations are significantly reduced.

According to another embodiment, the software program is operable to exercise a hold on the product associated with the alert, so that a non-compliant product is prevented from reaching consumers until further investigations are completed and the alert is resolved.

According to another embodiment, the system is further operable to generate a statistical database of the alerts and to automatically grade each of the HC entities according to the numbers of the alerts. This feature is advantageous in giving confidence to any interested party to trust the HC entities with good grading. The HC entities with poorer grading may be identified by the HGA for cautioning, warning or cancelling of their halal certifications.

According to another embodiment, the system further comprises a front end application (FEA) module disposed in the computing platform, wherein the FEA module allows an applicant to submit online applications relating to halal certification and import permit, with the applications being processable through the HA module, and the FEA module is operable to communicate with the applicant while the application is being processed, and the FEA module is further operable for accessing information from the data repository by any interested party. This module provides improved consistency, convenience and control on the application procedures. Information sharing as well as monitoring and execution of the procedures are enhanced as well.
According to another embodiment, the FEA module is further operable for entering sales information by HC retailers and for tracking the processing history through the HEPCT module by the interested party. The sales record is thus enterable and maintainable for reference. Access to the processing history allows consumers to determine the authenticity of any halal certified food products entered in the HR module.

According to another embodiment, the unique code comprises at least one of the following types: a) bar code, b) RFID tag, and c) quick response code (QR code).

According to another embodiment, the FEA module is wirelessly accessible through a mobile or kiosk web browser. This feature is advantageous for users to have easy access to the computing platform anytime and from any remote corner.

According to another embodiment, the bar code or the QR code as shot in a picture format with the kiosk or mobile web browser is receivable and identifiable by the modules in the system. This feature is useful as the user has the flexibility of using the mobile or kiosk web browser instead of using a dedicated scanning tool.

According to another embodiment, the platform is integrable with a social online platform. This allows users to exchange useful information about the halal product supply chain, and also provide recommendations and sharing of opinions.

According to another embodiment, the FEA module allows the interested party to check batches of products listed in the HA module that are identified for withdrawal from consumer market. This feature allows the consumer to determine whether a product identified for withdrawal is intentionally or unintentionally being sold in the consumer market.

According to a second aspect of the present invention, the platform as described with embodiments in the first aspect, is provided.

According to a third aspect of the present invention, a method of managing a halal supply chain is provided. The method comprises: creating an online computing
platform; creating a user interface with the computing platform via a front end application (FEA) module; applying for halal certification or import licence by a supply chain entity via the FEA module; inspecting the supply chain entity’s premises in response to the application, wherein inspection records are entered in a halal authentication (HA) module and evaluating the inspection records by a halal governing agency (HGA) for approval of halal certification; and listing the supply chain entity in a halal registry (HR) module.

In another embodiment, the above method further comprises entering each product for halal certification into a halal electronic product code tracking (HEPCT) module in the computing platform, wherein the HEPCT module assigns a unique code to each raw material, each intermediate product and each of the finished product, so that the unique code is useable to identify and track each process that the product has undergone, thereby allowing any person to enter the unique code to retrieve a processing history for verifying halal certification compliance.

In another embodiment, the above method further comprises inspecting the supply chain’s premises, entering inspection records in the HA module and evaluating the inspection records by the HGA for approval; and entering the information of each raw material or HC recipe of each intermediate product or finished product in the HR module upon approval of halal certification.

In another embodiment, the above method further comprises executing a software program embedded in the HA module for detecting non-compliance with the relevant HC recipe stored in the HR module and raising an alert when an output information as measured for the intermediate or finished products does not correlate with the HC recipe.

In another embodiment, the above method further comprises raising the alert that is also accompanied with generating a hold command on the intermediate or finished product so that a non-compliant product is prevented from reaching consumers until further investigations are completed and the alert is resolved.
In another embodiment, the above method further comprises raising an alert that is also accompanied with generating a statistical database of the alerts, where the numbers of generated alerts is used to automatically grade the HC entities for certification compliance or renewal.

The present invention consists of certain novel features and a combination of parts hereinafter fully described and illustrated in the accompanying drawing and particularly pointed out in the appended claims, it being understood that various changes in the details may be possible without departing from the scope of the invention or without sacrificing any of the advantages of the present invention.

**BRIEF DESCRIPTION OF THE DRAWINGS**

In the drawing, emphasis is placed upon illustrating the principles of the invention. The various embodiments and advantages of the present invention will be more fully understood when considered with respect to the following detailed description, appended claims and accompanying drawing wherein:

Fig.1 illustrates a schematic view of a halal management system with a computing platform, according to an embodiment of the invention.

**DETAILED DESCRIPTION OF THE INVENTION**

The following description presents several preferred embodiments of the present invention in sufficient detail so that those skilled in the art can make and use the invention.

Fig.1 shows an embodiment of the present invention, where a comprehensive infrastructure of a halal management system with a computing platform (100) is represented schematically by blocks or modules. As shown in Fig. 1, the computing platform (100) is provided for supporting a halal supply chain. The computing platform (100) includes a Halal Registry (HR) (1), a Halal Electronic Product Code Tracking (HEPCT) (2), a Halal Authentication (HA) (3) and a Front End Application (FEA) (4) modules. The computing platform (100) also interacts with a Halal Governing Agency (HGA) (17), halal certified (HC) entities (105) of the halal supply chain, one or more
mobile or kiosk web browser (15) and consumers (16). Two-way arrows between the blocks or modules represent communication lines between them and across modules.

The halal registry (HR) module (1) in the platform (100) is a data repository for halal certified (HC) entities (105) registered in the halal supply chain and halal regulation guidelines. The data repository is protected and governed by a halal governing agency (HGA) (17). The HC entities (105) include one or more halal certified (HC) farm (5), HC slaughter house or abattoir (6), HC food processor (7), HC distributor (8), HC retailer (9), HC slaughterer or supervisor (10), HC production company (11), HC import permit (12), HC recipe (13), HC product (14), and so on. The HGA (17) may pertain to one country or may extend to include agencies located in several countries. Any new HC entity may be recorded in the repository by a direct entry by the HGA (17) or upon approval by the HGA (17) within the platform (100). The data repository may contain any other information that is useful for reference with regards to halal regulations, and procedures related to applications, audit, approval and certification, and renewal.

The halal electronic product code tracking (HEPCT) module (2) in the computing platform (100) is used by a relevant HC entity for assigning a unique code (110) to each raw material, each intermediate product or each finished product and for entering the unique code (110) into the HEPCT module (2) at predefined stages of processing, for example, starting from the raw material to the finished product before reaching the consumer (16). The relevant HC entity may include the HC farm (5), the HC slaughter house or abattoir (6), the HC food processor (7), the HC distributor (8), the HC retailer (9), the HC slaughterer or supervisor (10), the HC production company (11) and the like.

With the unique code (110), the processing history for each of the intermediate product or the finished product starting from the raw material is recorded and tracked. The processing history of a HC product (14) is thus traceable. The unique code (110) may be in the form of a bar code, a RFID tag or a quick response code (QR code). However, any other type of identification or information labeling code may be used as well. With this HEPCT module (2), the production processes which every product and every batch of the product has undergone are identified and recorded, thus allowing compliance with the halal practice and toyyiban to be verified or attested to.
The halal authentication (HA) module (3) in the computing platform (100) is used for validating non-halal certified (NHC) entities. The HA module (3) is operable in coordination with the HEPCT module (2) for retrieving the processing history, with the validation being conducted by authorized inspectors and under prescribed authentication guidelines provided in the HR module (1). The information from the HA module (3) is further used by the HGA (17) for issuance of halal certification and thereafter recording the halal certification under the category of the HC entities (105). Under the authentication guidelines, the HA module (3) is used by the inspectors to notify an entity in the supply chain of a date for a site visit and, during site inspection, to enter inspection records. The HA module (3) is further used for receiving the post-inspection comments or observations from the inspectors and for electronically submitting the documentation with the comments/observations to the HGA (17). The HGA (17) through the HA module (3) may then issue certification or rejection notes with notifications of corrective action required to comply with the certification regulations. The HA module (3) is also used for refreshing or updating recipes with alterations for recording in the HR module (1) upon being approved by HGA (17). Any recording into the HR module (1) from the HA module (3) requires prior approval from the HGA (17).

A software program (120) is provided in the HA module (3) for detecting non-compliance with corresponding HC recipe (13) in the finished products and raising an alert when an output information as determined for the finished products does not correlate with the corresponding HC recipe (13). Herein, non-compliance may refer to addition of any contaminant, to following temperature conditions different from the HC recipe (13), to the absence of certain ingredients, or any other difference. The contaminant refers to any non-halal certified raw material or non-halal certified intermediate product used in processing the finished product, with the contaminant being not recognized as an ingredient in the HC recipe (13) stored in the data repository in the HR module (1). As an example, under the halal mandate, when the output information on the weight of a batch of substantially identical finished products is fed into the HA module (3), the software program (120) computes whether the weight for the batch is substantially within the expected weight under the HC recipe (13) used (after having accounted for rejects, if any); if not, the software program (120) raises an alert. The software program (120) is further used for exercising a hold on the finished products
with non-compliance alerts until further investigations are completed. In this way, only HC products (14) which are released for consumption or use have been validated to comply with halal practice. A statistical database of non-compliance alerts is generated and maintained in the HA module (3) and each of the HC entities (105) is automatically graded according to the numbers of the alerts issued. Higher the number of alerts raised within a predetermined timeframe, poorer is the HC entity graded.

In another embodiment, the number of alerts accumulated within a prescribed time period may be used by the HGA (17) to terminate certification of the affected product or of the supply chain entity or to refuse renewal of such certifications.

The front end application (FEA) module (4) is provided in the computing platform (100), the former being used by any applicant for submitting online applications relating to halal certification and import permit. The applications are accepted under prescribed application guidelines provided in the HR module (1) and processed through the HA module (3). The FEA module (4) is further used for communicating with the applicant while an application is processed under the HA module (3). The FEA module (4) is also used for accessing information from the data repository by any interested party. The online applications relating to halal certification may also include those for recording an existing halal certification into the HR module (1). The applications are thereafter processed by the authorized inspectors. The applications for halal certification may be for any entity in the halal supply chain, such as a farm, abattoir, food processor, distributor, supervisor and so on. The application for the import permit may be for importing a halal raw material, a halal intermediate product or a halal finished product.

Communication with applicants regarding their applications includes notifying the application status. The HA module (3) is similarly used by the HGA (17) through the FEA module (4) for communicating with the inspectors regarding site inspection, venue, date of inspection, and so on. The FEA module (4) also may receive prescribed documentation from the applicants, such as scanned copies of the originals that are necessary to support the particular application. The FEA module (4) follows a predefined procedure. Certain steps are automatically followed, like for example, if some information or documentation is missing, it can prompt the applicant to respectively provide or submit within a prescribed time limit. After the site inspection, the comments
are posted in the HA module (3) for review and evaluation by the HGA (17) before certification is approved and recorded in the HR module (1). In the case where the inspectors' comments are not favorable, the HGA (17) may issue instructions for corrective actions. An application for refreshing an old HC recipe (13) with a new one may follow similar procedure. The FEA module (4) may be further used for entering sales information by the HC retailers (9) or for tracking the processing history by any interested party. In one embodiment, the FEA module (4) is hosted on a web portal. In another embodiment, the FEA module (4) is wirelessly accessible through a mobile or kiosk web browser (15) and a camera. Scanning the unique code (110) at every predefined stage requires a national mandate, so that all information scanned gets appended to the computing platform (100) and the consumers (16) can scan or input any unique code (110) to trace and verify the processing history of a HC product (14).

The bar code or the QR code as shot in a picture format in the mobile or kiosk web browser (15) is received and identified by the FEA module (4), and thereafter by the HEPCT module (2) and the HA module (3). Hence, no special scanning tool is required for capturing or inputting the unique code (110) into the computing platform (100).

The mobile or kiosk web browser (15) includes personal computers, notebooks, tablets or any other electronic gadget that has a web browser and camera. The mobile or kiosk web browser (15) with the camera attached will require reader applications to be installed for reading the bar code or the QR code with the camera and therefrom launch the information into the web browser as a URL. Additional applications may be downloaded from the internet for further assisting this function. The information in the URL can then be wirelessly accessed and identified by the modules in the platform (100).

In one embodiment, the computing platform (100) is integrated with a social online platform, so that users may exchange useful information about the halal product supply chain, provide recommendations, share opinions, and so on.

Any interested party may access the FEA module (4) to find out about the batches of the products which are identified in the HA module (3) for withdrawal from the consumer market. This would prevent the retailers (9) from selling sub-standard
products and prevent the consumers (16) from procuring them out of ignorance.

All the four modules are linked to one another with communication lines as required under the management procedure of the computing platform (100).

The system followed in the computing platform (100) complies with the food safety system, the latter being a scientific food traceability scheme to address handling, preparing and storing of food in ways that prevent foodborne illness. This includes a number of routines that should be followed to avoid potentially severe health hazards.

The computing platform (100) also provides strict mechanisms of validation and verification to ensure that the raw material suppliers, the producers and the retailers comply with halal regulations. This is also to ensure that the finished product conforms to being 'halal toyibban', so that the HC product (14) is permissible for use or consumption, as well as safe, hygienic and nutritious as applicable. With the management system and the computing platform (100) of the present invention, the symbol of integrity and trust for halal certified products is protected.

As to further discussion of the manner of usage and operation of the present invention, the same should be apparent from the above description. Accordingly, no further discussion relating to the manner of usage and operation will be provided.

While the foregoing description presents specific embodiments of the present invention along with many details set forth for purposes of illustration, it will be understood by those skilled in the art that many variations or modifications in details of design, construction and operation may be made without departing from the present invention as defined in the claims. The scope of the invention is as indicated in the appended claims and all changes that come within the meaning and range of equivalency of the claims are intended to be embraced therein.
CLAIMS

1. A halal management system for a halal supply chain, said system comprising:
   an online computing platform (100);
   a halal registry (HR) module (1) disposed in said computing platform (100),
   wherein said HR module (1) comprises a data repository for halal certified (HC)
   entities (105) and halal regulation guidelines, and said data repository is protectable
   and governable by a halal governing agency (HGA) (17);
   a halal electronic product code tracking (HEPCT) module (2) disposed in
   said computing platform (100), wherein said HEPCT module (2) is used to assign a
   unique code (110) to each raw material, each intermediate product or each finished
   product and for entering said unique code (110) into said HEPCT module (2) at
   predefined stages of processing, starting from said raw material to said finished
   product, so that said unique code is used to retrieve a processing history of said
   intermediate product or said finished product;
   a halal authentication (HA) module (3) disposed in said computing platform
   (100), wherein said HA module (3) is operable to validate non-halal certified (NHC)
   entities, and said HA module (3) is operable in coordination with said HEPCT
   module (2) to retrieve said processing history, with said validation being conducted
   by authorized inspectors and under prescribed authentication guidelines stored in said
   HR module (1), and said HA module (3) is further operable by said HGA (17) for
   issuing of halal certification and thereafter recording said halal certification under
   said HC entities (105); and
   a software program (120) embedded in said HA module (3) for detecting non-
   compliance of a product with a corresponding HC recipe (13) stored in said HR
   module (1) and raising an alert when an output information as measured for said
   product does not correlate with said corresponding HC recipe (13).

2. A system according to claim 1, wherein said software program (120) is operable
   to generate a hold command on said product associated with said alert, so that a non-
   compliant product is prevented from reaching consumers until further investigations
   are completed and said alert is resolved.
3. A system according to claim 1, wherein said software program (120) is operable to generate a statistical database of said alerts and to automatically grade said HC entities (105) according to the numbers of said generated alerts.

4. A system according to claim 1, further comprising:
   a front end application (FEA) module (4) disposed in said computing platform (100), wherein said FEA module (4) allows an applicant to submit online applications relating to halal certification and import permit, with said applications being processable through said HA module (3) under prescribed application guidelines stored in said HR module (1), and said FEA module (4) is operable to communicate with said applicant while said application is being processed, and said FEA module (4) is further operable for accessing information stored in said data repository by any interested party.

5. A system according to claim 4, wherein said FEA module (4) is operable for entering sales information by HC retailers and for tracking said processing history through said HEPCT module (2) by said interested party.

6. A system according to claim 4, wherein said unique code comprises at least one of the following types:
   a) bar code, b) RFID tag, and c) quick response code (QR code).

7. A system according to claim 6, wherein said FEA module (4) is wirelessly accessible through a mobile or kiosk web browser (15).

8. A system according to claim 7, wherein said bar code or said QR code as shot in a picture format with said kiosk or mobile web browser (15) is receivable and identifiable by said HR (1), HEPCT (2) and HA (3) modules.

9. A system according to claim 1, wherein said computing platform (100) is integrable with a social online platform.
10. A system according to claim 4, wherein said FEA module (4) enables said interested party to check batches of products in said HA module (3) that are identified for withdrawal from the consumer market.

11. An online platform (100) for supporting a halal supply chain, comprising:

   a halal registry (HR) module (1), wherein said HR module (1) comprises a data repository for halal certified (HC) entities (105) and halal regulation guidelines, wherein said HR module (1) is protected and governed by a halal governing agency (HGA) (17);

   a halal electronic product code tracking (HEPCT) module (2) used for assigning a unique code (110) to each raw material, each intermediate product or each finished product and for entering said unique code (110) into said HEPCT module (2) at predefined stages of processing, starting from said raw material to said finished product, so that said unique code (110) is used for retrieving a processing history of said intermediate product or said finished product;

   a halal authentication (HA) module (3) for validating non-halal certified (NHC) entities, wherein said HA module (3) is operable in coordination with said HEPCT module (2) for retrieving said processing history, and said validation is conducted by authorized inspectors and under prescribed authentication guidelines stored in said HR module (1), and said HA module (3) is further operable by said HGA (17) for issuing halal certification and recording said halal certification in said HR module (1); and

   a software program (120) embedded in said HA module (3) for detecting non-compliance of a product with a corresponding HC recipe (13) stored in said HR module (1) and raising an alert when an output information as measured for said finished products does not correlate with said corresponding HC recipe (13) stored in said HR module (1).

12. A platform (100) according to claim 11, wherein said software program (120) is operable to issue a hold command on said product associated with said alert, so that said product is prevented from reaching consumer market until further investigations are completed and said alert is resolved.

13. A platform (100) according to claim 11, wherein said software program (120) is operable to generate a statistical database of said alerts and to automatically grade said
HC entities (105) according to the number of said alerts.

14. A platform (100) according to claim 11, further comprising:
   a front end application (FEA) module (4) being usable by any applicant for
   submitting online applications relating to halal certification and import permit, wherein
   said applications are being processable through said HA module (3) under prescribed
   application guidelines stored in said HR module (1), and said FEA module (4) is
   further operable for communicating with said applicant while said application is being
   processed, and said FEA module (4) is further operable for accessing information in
   said data repository by any interested party.

15. A platform (100) according to claim 14, wherein said FEA module (4) is operable
   for entering sales information by HC retailers (9) and for tracking said processing
   history through said HEPCT module (2) by said interested party.

16. A platform (100) according to claim 15, wherein said unique code (110) comprises at least one of the following types:
   a) bar code, b) RFID tag, and c) quick response code (QR code).

17. A platform (100) according to claim 16, wherein said FEA module (4) is
   wirelessly accessible through a mobile or kiosk web browser (15).

18. A platform (100) according to claim 17, wherein said bar code or said QR code as
    shot in a picture format in said kiosk or mobile web browser (15) is receivable and
    identifiable by said HR (1), HEPCT (2) and HA (3) modules.

19. A platform (100) according to claim 11 is being integrable with a social online
    platform.

20. A platform (100) according to claim 14, wherein said FEA module (4) allows
    said interested party to check on batches of products in said HA module (3) that are
    identified for withdrawal from the consumer market.
21. A method for managing a halal supply chain comprising:
creating an online computing platform (100);
creating a user interface with said computing platform (100) via a front end
application (FEA) module (4);
applying for halal certification or import licence by a supply chain entity via
said FEA module (4);
inspecting said supply chain entity’s premises in response to an application
for halal certificate or import licence; wherein inspection records are entered in a
halal authentication (HA) module (3) in said computing platform (100) and
evaluating said inspection records by a halal governing agency (HGA) (17) for
approval of halal certification;
listing said supply chain entity in a halal registry (HR) module (1) in said
computing platform (100) upon approval of a halal certification, wherein said HR
module (1) also stores halal regulation guidelines.

22. A method according to claim 21, further comprises entering each product for
halal certification into a halal electronic product code tracking (HEPCT) module (2) in
said computing platform (100), wherein said HEPCT module (2) assigns a unique code
(110) to each raw material, each intermediate product and each of the finished product,
so that said unique code is used to identify and track each process said product has
undergone, thereby allowing any person to enter said unique code (110) to retrieve a
processing history for verifying halal certification compliance.

23. A method according to claim 22, further comprises inspecting said supply chain’s
premises, entering inspection records in said HA module (3) and evaluating said
inspection records by said HGA (17) for approval; and
entering said information of each said raw material or HC recipe (13) of each said
intermediate product or finished product in said HR module (1) upon approval of halal
certification.

24. A method according to claim 23, further executing a software program (120)
embedded in said HA module (3) for detecting non-compliance with the relevant HC
recipe (13) stored in said HR module (1) and raising an alert when an output information
as measured for said intermediate or finished products does not correlate with said HC recipe (13).

25. A method according to claim 24, wherein raising an alert is also accompanied with generating a hold command on said intermediate or finished product so that a non-compliant product is prevented from reaching consumers until further investigations are completed and said alert is resolved.

26. A method according to claim 24, wherein raising an alert is also accompanied with generating a statistical database of said alerts, where the numbers of generated alerts is used to automatically grade said HC entities (105) for certification compliance or renewal.