Managing halal quality in food service industry

Siew Fun Vivienne Soong
University of Nevada, Las Vegas
MANAGING *HALAL* QUALITY IN FOOD SERVICE INDUSTRY

by

Soong Siew Fun (Vivienne)

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PART ONE

Introduction

The Muslim world population survey conducted in 2005 found that Islam is the fastest growing religion on earth, both through birth and adoption. There were 2 billion Muslims scattered around 148 countries and the figures are rising each day. It is estimated that by 2010, the Muslim population will exceed 3 billion (Evans, 2005). The recorded growth rate for Muslim population is as follows: the Europe Muslim population of around 25 million increased at a rate of 140% over the past 10 years, America’s by 25%, Australia’s by 250% and Asia’s increased by 12% over the same period. The healthy growth rate among Muslim population represents an increasing demand for halal products in the market. The definition of halal is included in glossary. Global food investors are now shifting their attention to halal food production and delivery to gain a greater market share in the halal industry.

Previous studies completed by scholars concentrated on issues among the consumers and traders, perceptions of halal definitions and certifications on halal food products. Actual halal practice within the food industry has rarely been discussed.

Purpose

This study was designed to explore the actual halal food practices in the food industry to learn to what extent the existing halal food producers and providers manage their workplace under the requirement of Malaysian Standard MS1500: 2004 that is included in appendix A. The findings of this study would serve as reference for potential halal food investors and develop a foundation for food producers and providers to improve on their current practices.
Statement of Objective

This study begins with exploring the definitions of *halal* from various professionals who are engaging in food manufacturing, education and production, the public and Islamic Development of Malaysia (JAKIM). JAKIM definition is used as a benchmark against the professional and public opinions to find out whether industry opinions are in line with the (accepted) JAKIM definition. The role of JAKIM can be found in the glossary.

Current practices of *halal* food producers and providers will be included in the main body of the paper followed by MS1500: 2004 standard comparisons to current practice. In conclusion, a summary of the findings and recommendations for current *halal* producers and providers will be discussed.

Justification

The significance of the study provides descriptions of *halal* food practices that are currently implemented and acceptable among Muslim consumers. The majority of Muslims relate the certified *halal* logo to *halal* products. The *halal* logo gives confidence to consumers, its absence means that Muslims would think twice about buying a product (Fariza, 2007). Mohamed (1998) stated in the Islamic conference that “Muslim traders and consumers are confident that the product is *halal* by knowing the processing of the product is under Islamic supervision and seeing a *halal* logo on the product.” Nordin (2003) did a research on 263 local Muslims to find out the influence of *halal* logo in their buying decision. Out of 263 samples, 158 strongly agreed with the statement “I place importance on products with *halal* logo” (p.326). Only 2 strongly disagreed with the statement.

JAKIM plays an important role in Malaysian Muslim social behavior. The Muslims trust that the *halal* certification issued by JAKIM is an indicator of *halal* quality. They would
purchase products with the JAKIM halal logo. According to Nordin’s (2003) survey on 263 local Muslims, 139 strongly agreed that “the halal labeling under JAKIM is according to syarak and is a genuine halal trademark” (p.326). The definition of syarak is included in the glossary. Only 2 strongly disagreed with the statement.

JAKIMs MS1500:2004 standard is used as a benchmark in this study because it is recognized locally and internationally especially among countries under the Organization of Islamic Councils. Moreover it has been accepted by the United Nations due to its stringent criteria employed (Hayati, 2004).

The study will be presented based on collective seminar papers on food production companies namely Nestle, Ayamas, McDonald’s, MAS Catering, and Coffee Bean Tea Leaf; personal visits and interviews to High 5 bread town, JAKIM (the local halal certification center) and local food operators.

Constraints

Halal practices are perceived as a sensitive issue among food producers and operators as there are many variations on the halal definitions. Moreover, information search for practicing halal in the food industry is somewhat challenging because organizations are reluctant to share in depth information on how they perform halal practices in the organization and there is no historical data from scholars to refer upon. Nevertheless, constraints could be overcome by networking with collective food producers and food operators, performing personal visits to the halal premises to put together the missing pieces of the overall picture.
Glossary

Ayamas: poultry processing plant that supplies whole chickens, cut chicken parts and further processed chicken to both the domestic and export markets (“Ayamas”, 2006).

Bain Marrie: counter top equipment that is used to keep food warm

Food Premise: a building or a place for food and beverage businesses such as restaurants, food courts, commercial kitchens, cafeterias, cake and pastry shops, fast food restaurants, canteens, clubs/hotels/ kiosks and canteens (“JAKIM”, 2007).

Halal: a Quranic term which means permitted, allowed, authorized, approved, sanctioned or lawful (“Definitions”, 2007).

Haram: a Quranic term meaning prohibited and unlawful by Allah; food and drinks that are forbidden for every Muslim (“Definitions”, 2007)

Halal Certification: certification recognizing that the products are permitted under Islamic law. These products are thus edible, drinkable or usable by Muslims. (“Jakim”, 2007)

Halal Slaughtering: slaughtering in accordance to strict Islamic law and guideline which involves the process of killing the animal quickly with a sharp knife while the name of Allah is invoked (Zukifli, 2005)

Hygiene: includes various aspects of personal hygiene, clothing, equipment and the premises used for processing or manufacturing of food (Husnah, 2007).

HACCP: a quality assurance program that focuses attention on the safety and quality of food products during processing and handling, (“Ayamas”, 2006)
**JAKIM:** Islamic body responsible to inspect and issue *halal* certificates to food operators (“Application”, 2007).

**KFC:** famous quick service restaurant that sells fried poultry as its signature dish.

**MAS:** Major Malaysian airline operator

**Nestle:** a multinational packaged food company

**Najis:** dogs and pigs, including liquids or discharge from these animals, carcasses except fish and grasshoppers, animals which are considered repulsive such as lice, flies and rates, animals with fangs such as tigers, lions, bears and other similar animals, birds of prey, poisonous animals, amphibians, all types of sold by-products of digestion, urine, placenta and blood except the heart and liver and all types of drink or beverages that can cause intoxication (Husna, 2007).

**Putrajaya:** a newly developed city in Malaysia

**Syariah:** a complete Law and System to protect Islam and its adherents (“what”, 2007).

**Syarak:** a form of Islamic law to guide Muslim behavior and conduct. (“Definitions”, 2007).

**Setting:** placing dishes in the container according to standard recipe (Abdul, 1998).

**Tayyib:** lawful and wholesome (Remi, 2005).

**Temperature Checker:** a person who checks the temperature constantly to ensure the temperature is at the desirable level.
PART TWO

Literture Review

Introduction

The following will continue the concepts of *halal* by defining the meaning of *halal* among professionals, discussing the role of JAKIM, *halal* definition in JAKIM context, importance of JAKIM certification and end with criteria for *halal* certificate application.

*Halal definitions among professionals*

The concept of *halal* came from the verse Quaran al-Baqarah: 168

“Oh Mankind! Eat from the earth which is *halal* and *tayyib* and follow not the footsteps of the devil. Lo! He is an open enemy for you”.

The *halal* concept serves as a guideline for Muslims in all aspects of consumerism and consumption of products and services (Burhan, 2000). Bound by the Islamic dietary laws, Muslims would check and judge the permissibility and prohibitive nature of all foods and drinks before consumption to prevent them from consuming forbidden and doubtful products (Mohamed, 2001). Muslims derive good and *halal* food in many ways.

Ahmad (2005) defined *halal* as “*halal* is not only in terms of religion but it is also about cleanliness and purity.” Commercial *halal* food stall owners view cleanliness of the food premises and food purchased from reputable *halal* butchers as key elements of *halal* food (Husna, 2007). Food manufacturer, Lim Siow Jin, well known as the king of herbs considers *halal* as no animal part or alcohol used in the production (Fariza, 2007). Jamil, Associate Professor of Universiti Putra Malaysia (UPM)’s *halal* product research institute defines *halal* as food that fulfills the religious requirements and the scientific and hygienic” (Zulkifli, 2007). Nordin (2007) gathered 263 members from consumer associations
in major states in Malaysia, 221 members refer to *halal* food as food not “*haram*”, clean and pure from “*najis*”, not using equipment that ever produced *haram* food, and *halal* food ingredients must not be mixed or even come into contact with *haram* materials (Nordin, 2007). Wahab, a commercial food caterer states that he takes into consideration factors of food safety and hygiene (Ahmad, 2004). Mohammed representing the Muslim traders and consumers viewed *halal* as ingredients and additives such as emulsifiers and flavorings to be free of pork and alcohol (Haj, 1998). Yaakob Che Man, the food operator stated *halal* as “food ingredients free of lard and pork”. The general opinions from professionals on *halal* food place great emphasize on cleanliness, purity, safety and in harmony with religious requirements.

*The role of JAKIM*

JAKIM is appointed by the government to issue *halal* certificates to new applicants or applicants who wish to renew their *halal* licenses. JAKIM has identified and accredited several overseas Islamic organisations that are actively involved in the certification of *halal* products exported to Malaysia.

In addition, JAKIM has been commissioned to study documents submitted by the applicants and inspect products and manufacturing premises to ensure the *halal* quality is in line with JAKIM requirements. JAKIM also frequently educates the public on *halal* practices by conducting public seminars every month.

*Halal definition by JAKIM*

Zamali (2006) found the following:
Halal is a description of things or actions permitted by Shariah law without punishment imposed on the doer. Halal food means food permitted under the Shariah law and fulfils the following conditions:

1. Does not contain any parts or products of animals that are non-halal to Muslims or products of animals which are not slaughtered according to Shariah law

2. Does not contain any ingredients that are najis according to Shariah law

3. Safe and not harmful

4. Has not been prepared, processed or manufactured using equipment that is contaminated with things that are najis according to Shariah law

5. The food or its ingredients do not contain any human parts or its derivatives that are not permitted by Shariah law

6. During its preparation, processing, packaging, storage or transportation, the food is physically separated from any other food that does not meet the requirements stated above, or any other things that have been decreed as najis by Shariah law. (p. 2)

As Zamali (2006, ¶ 1) suggested “from the above halal definition, it is clear that JAKIMs halal requirements recognize safety and quality assurance. The final halal products must be clean, safe, well taken care of, with good presentation, served in a proper manner and of quality for everybody.

When comparing the general opinions of the professionals and JAKIM, it is observed that professionals and JAKIM share similar views of the definition of halal food that it must be clean and safe to consume according to Islamic law.
Expanding from that idea that food must be clean and safe to consumers according to Islamic law, JAKIM further clarifies that halal encircles all aspects of cleanliness, safety, preparation, storage and purification. This give rise to MS: 1500: 2004. Some aspects of MS: 1500: 2004 is included in appendix A.

**Halal certification**

JAKIM is given the authority to issue halal certificates. JAKIM would ensure all requirements stipulated under the MS 1500:2004 halal standards to be fulfilled before any halal product be awarded a halal certificate.

Once halal certificates are awarded, manufacturers can use the halal label on their products. The halal label issued by JAKIM is a registered trade mark under Trade Mark Act 1975. Products with halal certification must conform fully to halal standards.

JAKIM carries out halal conformity inspections through regular monitoring either through spot checks or inspections or verbal communication with the companies involved. During the post certification period, any changes discovered without prior approval from JAKIM will result in the certificate being suspended or revoked. These changes may be classified as minor, major or serious offences:

1. Minor – involving hygiene and cleanliness
2. Major – involving the change of ingredients, manufacturers and suppliers, machinery and relocation of the plant.

The above offences (minor and major) will render the certificate to be suspended and subjected to remedial and corrective actions by the manufacturer and require resubmission of application.

3. Serious – involving the use of non-halal ingredients e.g. non-halal slaughtered
animals, pork or its derivatives in the production. This will cause the certificate to be revoked and the company to be prosecuted in court.

A *halal* certificate is valid for two years. The renewal of the certificate is not automatic. Before renewal is granted, the products will undergo a thorough inspection process, similar to the one when the first application was made. As *halal* certification is not mandatory, but those with *halal* certification have a competitive advantage over other food manufacturers. (Zamali, 2006)

*Criteria to be fulfilled for halal certificate application*

The first step to venturing into the *halal* business is to apply for a *halal* license through JAKIM. The application for *halal* license can be done at JAKIM’s office in Putrajaya or applicants can obtain information about the application process from JAKIM from their website [http://www.halaljakim.gov.my](http://www.halaljakim.gov.my). The following are general requirements from JAKIM when companies applying for *halal* license. The specific requirements for food premise, manufacturer and abattoir are added in appendix B. (“JAKIM”, 2007)

1. Every food manufacturer or food premise or abattoir must only produce or manufacture or sell *halal* products.

To ensure the *halal* requirements are fulfilled, JAKIM will perform visits to local and overseas food premises and abattoirs before issuing *halal* certification to the respective organizations. If there is a local Islamic organization recognized by JAKIM, JAKIM will rely on that organization to perform the investigation and issuing of the *halal* certificate to the respective overseas applicants.
2. Every food manufacturer must ensure that sources of ingredients are *halal* and deal with suppliers which supply *halal* materials or the suppliers are *halal* certificate holders. JAKIM requires a list of ingredients to be submitted to JAKIM before JAKIM issues the *halal* certificate to the food manufacturer or provider.

3. Every company must abide by the procedures in all aspects as spelt out in the procedures manual.

4. Those companies which are classified under multinational and Small and Medium industry must form an internal *Halal* Audit Committee and appoint one Islamic Affairs executive (Islamic studies) to handle and ensure the compliance of *halal* certification procedures.

5. There must be two full time Muslim, Malaysian citizen workers employed in the kitchen handling or processing of food.

6. During the preparation, handling, processing, packaging or transporting of the product, the product must be clean and free from any *non halal* ingredient.

   JAKIM will perform inspections in any reasonable time without giving notice to the *halal* food operators to check on the operating premises.

7. Apparatus and facilities on the premises must be clean and free from being contaminated by substances considered as *najis* (filthy) or harmful to health.

   JAKIM will ensure that there are no dogs or pigs inside and outside of the premises.
8. The company must stress the cleanliness of tools, transportation, production area and surrounding area in line with Good Manufacturing Practice. All workers are required to practice the code of ethics and good hygiene.

Conclusion to Literature Review

From the above findings, there are various views about such as “it is not only in terms of religion but it is also about cleanliness and purity”, “cleanliness of the food premises and food purchased from reputable halal butchers”, “no animal part or alcohol used in the production” and “food that fulfills the religious requirements and the scientific and hygienic” on halal definitions among food professionals. The professionals’ views are similar to JAKIM definition. This is a good start for halal businesses. However questions are raise about the good practices in the halal food service industry. The general public is concerned about the quality that receives from the halal food provider. For this reason, this study was designed to find out to what extent food operators manage halal quality in the industry according to JAKIM. The following paragraphs will concentrate on studying the practices of halal in the industry and recommend how to improve on the current practice.
PART THREE

Introduction

This section will first present several case studies of halal food practices found in several organizations namely Nestle, Ayamas, McDonald’s, MAS Catering, The Coffee Bean Tea Leaf and numerous interviews with food operators. Comments on the current practices and recommendations of the findings will be discussed later.

Practices in Nestle

Nestle manufactures and markets more than 300 halal food products in Malaysia. Nestle Malaysia alone exports about RM470 million worth of products mainly to the Asian and the Middle Eastern markets.

Nestlé is already profiting from their farsightedness in halal. With an annual profit turnover approximating USD70 billion and more than 250,000 employees worldwide, Nestlé amassed a net profit of USD 6.07 billion in the financial year ending 2005. The group recorded more than USD3 billion in sales from countries where Islam is practiced, and the number is increasing (“Nestle”, 2005).

Nestle committed to halal practices before the introduction of the halal certification by authorities in the mid 80’s. They took the first-mover advantage in 1994 to obtain halal certification from the government. Nestle Malaysia was at the forefront to fulfil all local halal certification requirements.

Nestle Malaysia gets very strong support from its headquarters in Vevey, Switzerland to commit to halal. Such strong support makes their halal procedure implementation much easier. Nestle invests approximately RM500,000 a year on halal certification costs including
travel expenses for religious officers to inspect its premises both locally and overseas, administrative costs and other incidentals.

Nestle ensures strict halal compliance by setting up a special halal committee comprising of select senior Muslim executives from all departments such as manufacturing, technology, marketing, legal corporate affairs and regulatory department within the organization to be responsible for all matters pertaining to halal certification.

The committees are responsible to advise, monitor and implement halal policy. They develop precise procedures to ensure all raw materials, manufacturing processes and supply chain meet halal requirements. Nestle’s halal implementation begins with the development of recipes at the respective research and development centres.

Nestle ensures its suppliers comply with its halal needs and provide only halal raw materials of high quality. Nestle maintains good working relationships with all relevant authorities to keep updated with new regulations.

In terms of exercising internal halal control in the company, Nestle not only carefully selects its local halal suppliers but also exercises control on its imports from abroad to make sure all products are halal and halal certified. Research and development officers in the US, Switzerland and Singapore must commit to source for halal compliant raw materials. Halal checklists are use to scrutinize all raw materials that they use.

Nestle also implements full control on the production lines, equipment and utensils during the production process to make sure no forbidden products are involved in the production process. The same goes with its storage and transport. In addition, Nestle ensures a high quality of sanitation, hygiene and food safety in its production. Apart from complying with MS: 1500: 2400, Nestle takes the initiative to communicate with its stakeholders on
halal procedures so that everyone is informed and aware of the importance of going halal.

Nestle provides relevant halal updates to its employees to enable them to answer queries on halal matters from their family and friends. This act could deter activists from making false claims that Nestle Malaysia is not halal.

Nestle Malaysia has undertaken several mentoring programs to develop local small manufacturing enterprises in the food manufacturing industry, offering advice and counsel on good food manufacturing processes. It has trained 1200 small and medium enterprises since the program’s inception and one of the modules is about halal certification, halal cleansing and halal methods. The management believes the mentoring programs will provide assistance to the local industry that needs knowledge to build up its halal manufacturing practices (“Nestle”, 2005).

Moreover, Nestle Malaysia continuously searches for solutions in maximizing the production of goods while at the same time minimizing consumption of resources and reducing waste. This gives credit to Nestlé Malaysia to be recognised in the Nestlé world as the centre of excellence for halal.

Ayamas

Ayamas food cooperation was the first company in Malaysia to breed, process and retail halal chicken based products. It processes 100,000 birds per day to supply to both local and international markets including Singapore, Indonesia, Brunei, Hong Kong and the Middle East (“Ayamas”, 2006).

Ayamas promises its consumers to produce high quality halal products that it spends over RM5 million on research and development annually to fulfil its commitment. In
addition, it has ISO 9002 certification and is in the process of obtaining the Hazard Analysis and Critical Control Points or HACCP as an integral part of quality assurance to the market.

Ayamas guarantees all its products are halal because it has 100% control at each and every stage of its processes ranging from breeding, hatching, slaughtering, processing, packaging and distribution. It owns hatcheries to ensure halal quality from eggs to chicks, breed chicks in a close air conditioned and contained system that chicks are isolating from najis and uses halal feed for the entire system. It also owns abattoirs that functions according to JAKIM set standards and processing plant that produces halal chicken products.

Moreover Ayamas developed a Syariah Advisory Council consisting of distinguished and prominent religious scholars from Islamic institutions that act as an advisory body to advice it on all halal matters relating to its business. It also maintains close relationships with JAKIM to ensure consistency of producing halal products. (“Ayamas”, 2006)

**McDonald’s**

McDonald’s makes careful selection of its halal suppliers. To be qualified as a McDonald’s supplier, they must comply with global official standards as well as McDonald’s internal inspection and policies, including product specification, food safety standards and farm bio security policies. They must adhere to social responsibility policies on aspects concerning animal welfare, animal feed as well as prohibition of deforestation, and prohibition on the use of antibiotics as growth promoters on the animals.

McDonald’s conducts an animal welfare due diligence as well as a halal due diligence process in selecting its suppliers. The suppliers who have been through the verification process are then assigned a specific number then they are listed in McDonald’s database of approved suppliers, subject to a yearly reinstatement or delisting.
Apart from the criteria listed above, McDonald’s creates its own halal rules in selecting its meat suppliers. The suppliers are allowing practicing restrainer boxes, to ensure that halal slaughtering is done within a controlled manner. McDonald’s only accepts hand slaughtering. Mechanical slaughter is not allowed. Prayer must be pronounced on each individual halal animal before it is slaughtered. This act is based on the interpretation of the Quranic verse which reads, “and eat not of that whereon Allah’s name hath not been mentioned, for lo! It is abomination..” The Quran: VI – 122

McDonald’s halal position on animal feed is straight forward – no animal parts are to be fed to their cows. McDonald’s only accepts “vegetarian cows” and “vegetarian chicken” to be supplied to McDonald’s. It sends its staff for halal trainings that are organized by JAKIM to uphold halal standards at the work place among the staff.

Halal Practices in Malaysia Airlines (MAS) Catering

MAS Catering caters all the aircraft food on Malaysian Airlines and also some aircrafts from overseas. In terms of halal practices, MAS Catering takes careful precautions in handling halal food production beginning with the sourcing of raw materials to delivery of food to aircraft. MAS Catering imports 70% of its raw food materials. MAS Catering purchasers study halal labels on raw materials before proceeding to procuring it. Halal label must be issued by halal certifying bodies recognized by JAKIM. When in doubt, the MAS Catering purchaser will consult JAKIM for a second opinion. In addition, the purchaser will investigate the transportation vehicle whether it qualifies the hygienic requirement and contains any non halal items. As for the local raw materials, the purchaser will look for the JAKIM certified logo as a purchase guideline (Abdul, 1998).
Upon receipt, MAS Catering practices manual raw material handling. Operation managers ensure food handlers maintain high personal hygiene and hands must be clean and free from unhygienic matters. Equipment and utensils are free from contacting food that is forbidden according to Syariah.

Storage of frozen items is at -20°C and storage of chilled items between 1-5°C. There is a “temperature checker” to ensure the right temperature at all times. Food items are not placed on the floor. Racks with proper ventilation are used. The Receiver will label date of receipt to practice the first in first out (FIFO) system.

In the process of “setting” and packing, food handlers will use disposable gloves when transferring and portioning food into dishes. Maximum time taken for transferring and portioning must not be over 45 minutes to maintain the high quality of food freshness. Dishes are covered with clean aluminum foil or clear plastic after portioning and stored into the chiller.

Dry ice is placed in meal carts to maintain low temperatures before delivering dishes to the aircraft. Meal carts are loaded onto delivery trucks to be sent to the aircraft within half and hour after dishes have been taken out from chiller.

Transport for delivery of food to aircraft must be hygienic and not used for other purposes especially transporting non halal items. The vehicle is washed once a day to maintain cleanliness.

In addition to upholding halal standards through practice, MAS Catering implements some of their own policies to maintain its halal status. The purchaser must regularly update the list of suppliers and new raw materials, work closely with JAKIM to avoid any discrepancies in purchasing halal raw materials, hire a full time halal inspector to prevent
any discrepancies arising from *halal* practice. MAS Catering develops *halal* awareness program to educate food handlers on *halal* food handling. The notice of *halal* food processing is placed at noticeable areas to remind the handlers of what need to be done.

*Coffee Bean Tea Leaf*

Coffee Bean Tea Leaf is a food operation that sells coffee and snacks to the consumer. It purchases meat products and ingredients from certified *halal* suppliers. On the production line, the plates used must be of a certain approved material by JAKIM. The management pays close attention to staff grooming and hygiene from head to toe. Staff must be well groomed all the times. Seventy percent of the Coffee Bean staff is Muslim (“Coffee”, 2004).

*Interview with Azriza Asahari (restaurant operator)*

Azriza operates a 1000 sq *halal* restaurant near a busy shopping centre. She said “my application of *halal* license was smooth, perhaps being a Malay gives me the advantage of easy approval.” “I manage the restaurant by ensuring a high standard of hygiene and food safety. The JAKIM inspector came on the first day of our operation to check. They looked into the staff uniform too. I showed them to the production line. They approved the clean condition and issued the license. I continue my *halal* business by ensuring a high standard of hygiene on food and work premises and purchase food ingredients from reliable *halal* food supplier.” A. Asahari (personal communication, November 30, 2007)

*Interview with Shamsuddin Chia (supplier of imported Australian Beef)*

“The government made it compulsory to import *halal* meat. To import my Australian product to Malaysia, I needed to apply through JAKIM and arrange to take JAKIM on for trips to visit farms and abattoirs in Australia to inspect the actual cattle farming and
slaughtering process. Once JAKIM is satisfied with the condition, JAKIM will issue the halal certificate to me.” S. Chia (personal communication, November 20, 2007)

Interview with Dedi Ali Asar (Coffee house manager of Dynasty hotel)

“We applied for one of our outlets to be halal. To maintain halal standard at the outlet and to avoid halal and non halal food contamination, we built a separate stewarding section from the non halal kitchen. We allocated separate sets of cutlery and crockery to be used at the halal outlet solely. We use brushes and small equipment that are free from pork. Our halal restaurant is situated on the ground floor and our non halal restaurants are on the first floor. Eighty percent of our food handlers at the halal restaurant are Muslim. We purchase halal food products from halal suppliers only. No alcohol is to be brought to the restaurant” D.A. Asar (personal communication, November 5, 2007)

Interview with Abu Bakar B. Rahman (Representative of JAKIM)

“The challenge for JAKIM came from the drawbacks about some current factories or food operators that have a halal license but do not practice the JAKIM standards fully. It was good at the beginning but once the licenses were issued, halal control was loosening. We are still finding ways to educate people on the importance of halal. Many people assume halal means not selling forbidden meat but halal means more than that. It is a holistic concept that comprises of the complete concept of total quality management beginning from sourcing to delivery. There is no hotel in Malaysia that has obtained full JAKIM license. We grant licenses for halal kitchens only. It is hard for a hotel to stop selling alcohol on the premises.” A.B. B. Rahman (personal communication, November 12)

Personal visit to Silver Bird
Silver Bird was awarded the Food Safety Management System Standard, ISO 22000:500 in 2007. From observation, Silver Bird maintains a high quality of hygiene in bread production. Visitors can view the bread making process from the special seal sky walk above the bread production. There is no direct contact of the visitors with the production. Majority of the workers are Muslim. Machines and floor at the production area are sparkling clean and shiny. There are two quality control checkers; metal detectors and a floor supervisor to ensure bread is safe to consume at all times.

*Personal visits to local halal operators*

From observation, some popular *halal* food stalls displayed their food for more than 10 hours on *bain marrie* without covers. The shops open 24 hours daily. When there was a food order, the server dished food out from the *bain marrie* at once without heating it up in cooking equipment. The floor is always slick and slippery from spilt oil cans, the smell of toilets fuse to the dining area. In addition, there was no *halal* logo displayed at the stalls.

*Case study findings*

Nestle, Ayamas and Silver Bird meet the major *halal* criteria set by JAKIM. Nestle, Ayamas adopt controlled purchasing system to ensure raw materials are procuring from genuine *halal* suppliers. Hygiene practices are implementing inside and outside the processing plant. Equipment used are free from *najis*. Each company developed a *halal* committee to ensure *halal* standards are conformed. Companies hired at least two full time Muslim Malaysian citizen workers working at any shift.

Apart from complying with JAKIM standards, Nestle’s top management invests RM500,000 a year on *halal* certification cost that will facilitates implementation of *halal* procedures within at the organization. Nestle also takes the initiatives to communicate with
its stakeholders on its *halal* procedures that *halal* messages are communicate inside and outside the organization.

Ayamas ensures 100% *halal* control on each and every stage of its processes that it owns hatchery, breeding place, abattoirs and processing plant. It has ISO 9002 to give its market the assurance of quality.

Silver Bird was awarded Food Safety Management System Standard, ISO 22000:500 in 2007. The award serves as evidence of assurance to the public that Silver Bird provides quality assured products to the public (“Silver”, 2007). The bread making process is available for public viewing so that public can view the production process from a sealed skywalk. From observation, the workers were wearing disposable gloves during bread packaging process to ensure the process continues in good sanitation condition. Floor supervisors checked on every package making sure that *halal* information was printed clearly on the bread cover.

Food operators are given slightly different requirements. Under JAKIM standards, operators must purchase from suppliers that have *halal* certificate from JAKIM or a JAKIM recognized Islamic Body. Sale of alcohol is prohibited, tools and appliances must be cleaned every time before and after they are being used and they can only be used for *halal* cooking, every worker is encouraged to undergo food serving and *halal* training.

The majority of food operators comply with JAKIM standards and a few operators take extra measures to ensure *halal* standards are practiced and implement consistently at work place. MAS Catering only purchases raw materials that are certified *halal* by JAKIM or JAKIM recognized Islamic body, operations managers ensures food handlers maintain high personal hygiene at work at all times, equipment and utensils are clean and are free from
contacting food that is forbidden according to Syariah. The operator takes additional steps to ensure that the transportation vehicle is washed once a day to maintain cleanliness.

McDonald’s makes careful selection of its halal suppliers. It emphasizes halal slaughtering to ensure prayers to be pronounced on each individual animal before they are slaughtered and it also takes into considerations of halal feed and requires only vegetarian cows and vegetarian chicken. McDonald’s is believer of training that it regularly sends food handlers to attend halal trainings by JAKIM.

Apart from purchasing raw materials from halal suppliers, Coffee Bean Tea Leaf pays close attention to staff grooming to ensure staff must be well groomed all the time. Two or more Malaysian Muslims are working on every shift.

Conversely, other local operators comply with JAKIM minimum requirement but show no efforts in improving further. “I continue my halal business by ensuring high standard of hygiene on work premises and purchase food ingredients from reliable halal food supplier”. A. Asahari (personal communication, November 30, 2007)

Aseana Coffee House of Dynasty hotel food outlet abides by the JAKIM halal standards by scheduling three full time Muslim cooks in the kitchen at all times, prepares halal products only in the kitchen, had a separate stewarding section built in the halal kitchen to separate it from the non-halal kitchen to prevent cutleries and crockery from najis contamination, staff who are on duty are not allowed to enter both halal and non halal kitchen, wine and any item of the same kind are strictly prohibited from entering the halal kitchen.
Conclusion

The general public knows the meaning of halal but are ignorant of the application of halal and the importance of halal in their lives. The Representative of JAKIM stated in his conversation that “many people assume halal means not selling forbidden meat”. A.B.B. Rahman (personnel communication, November 12). The general assumption of no pork and alcohol is halal leads to many food operators fail to abide by JAKIM standards that take into consideration total quality management in food production. The public fails to understand that when halal food is not prepared and served under a safe and hygienic environment, the food is no longer halal. This misunderstanding has given rise to many local halal food operators serving non halal food to consumers without knowing.

MS: 1500: 2004 is closely observed by selected food manufacturers such as Nestle, Ayamas and Silver Bird; food operators MAS Catering and McDonald’s. Many operators are still unclear about the significance of practicing MS:1500: 2004. JAKIM may need to look for more ways to educate the public on MS: 1500: 2004 so that the public will understand and know how to distinguish well prepared halal and ill prepared halal products. It is important for the public to know how to demand high quality halal products that will push the operators to be on their toe to provide high quality halal product.

Recommendations

JAKIM plays an important role in improving current halal practices. As mentioned above halal food operators are new to the standard and need constant guidance from JAKIM. JAKIM may face many challenges to give the right halal education to non Muslims operators who are not receptive to the halal concept and Muslims who engage into halal
business for a long time. However difficult it is for JAKIM to implement the standard but it should not give up on reinforcing the standard because the standard benefits all.

JAKIM should not only conduct seminars to adults occasionally but to school children as well. Thus children will be exposed to the concept earlier and they will encourage their parents to learn about halal. In addition, extend invitations to college students to learn about halal practices whenever there is halal training.

Despite suspending or revoking halal certificates for operators that fail to follow halal standards, JAKIM may implement a penalty as well as suspending halal certificates for operators that do not follow halal standards. The penalty on operators ranges from RM 10,000 to RM 50,000. The existing JAKIM rules are to suspend operators’ license if they fail to comply with the halal standards. It is suggested for JAKIM to increase the degree of penalty by imposing the monetary fine into the penalty system thus, the MS 1500:2004 will be strongly reinforced.

Successful halal compliance manufacturers such as Nestle and Ayamas should engage in giving more halal talks to the public and food operators and create more mentoring programs to serve the local community.

JAKIM may organize more repeat sessions of the halal documentary program on TV instead of airing it only once on Thursday night so that those who have missed out on Thursday night can catch up on another night.

JAKIM could include more educational and interesting news in different languages for public and operators to view. It could encourage more scholars to do research on how to improve halal standards and open share those results to public.
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Appendix A

The general requirement of MS 1500:2004

Najis

Najis according to Syariah law is:

1. things that are themselves not permissible such as pig and all its derivatives, blood and carrion;

2. halal food that is contaminated with things that are non-halal;

3. halal food that comes into direct contact with things that are non-halal;

4. any liquid and objects discharged from the orifices of human beings or animals such as urine, excrement, blood, vomit, pus, sperm and ova of pigs and dogs except sperm and ova of other animals; and

5. carrion or halal animals that are not slaughtered according to Shariah law.

Sources of Halal Food and Drinks

All land animals are halal as food except the followings:

1. animals that are not slaughtered according to Shariah law;

2. pigs and dogs and their descendants;

3. animals with long pointed teeth or tusks which are used to kill prey such as tigers, bears, elephants, cats, monkeys, etc.;

4. birds with talons or predator;

5. pests such as rats, centipedes, scorpions and other similar animals;

6. animals that are forbidden to be killed in Islam such as bees, woodpeckers, etc.;

7. creatures that are considered repulsive such as lice, flies, etc.

All aquatic animals (those which live in water and cannot survive outside it, such as fish) are halal except those that are poisonous, intoxicating or hazardous to health.

Animals that live both on land and water such as crocodiles, turtles and frogs are not
halal. However, the products from hazardous aquatic animals are halal when the toxin or poison has been eliminated during processing, as permitted by Shariah law.

All types of plants and plant products and their derivatives are halal except those that are poisonous, intoxicating or hazardous to health. However, the products from hazardous plants are halal when the toxin or poison has been eliminated during processing, as permitted by Shariah law. All types of mushroom and micro-organisms (i.e. bacteria, algae and fungi) and their by-products and/or derivatives and all natural minerals and chemicals, are halal except those that are poisonous, intoxicating or hazardous to health.

All natural minerals and chemicals are halal except those that are poisonous, intoxicating or hazardous to health. All kinds of drinks and beverages are halal except those that are poisonous, intoxicating or hazardous to health.

Food and drinks containing products and/or by-products of Genetically Modified Organisms (GMOs) or ingredients made by the use of genetic material of animals that are non-halal by Shariah law are not halal.

Slaughtering

According to Halal Standard, the halal slaughter shall be physically separated from non-halal slaughter according to the following requirements:

1. slaughtering shall be performed only by a Muslim who is mentally sound, fully understands the fundamental rules and conditions related to the slaughter of animals in Islam and he shall not be in ihram;

2. the act of slaughtering shall be done with intention and the slaughter man is well aware of his action;

3. the purpose of slaughtering is only for Allah and not for other purposes;
4. the animal to be slaughtered has to be an animal that is *halal*;

5. the animal to be slaughtered shall be alive or deemed to be alive at the time of slaughter;

6. animals to be slaughtered shall be healthy and have been approved by the competent authority;

7. the phrase (In the name of Allah, Most Gracious, Most Merciful) has to be invoked immediately before slaughtering;

8. slaughtering lines, tools and utensils shall be dedicated for *halal* slaughter only;

9. slaughtering knife or blade shall be sharp;

10. slaughtering shall be done only once. The “sawing action” of the slaughtering is permitted as long as the slaughtering knife or blade is not lifted off the animal during the slaughtering;

11. bones, nails and teeth shall not be used as slaughtering tools;

12. the act of *halal* slaughter shall begin with an incision on the neck at some point just below the glottis (Adam’s apple) and after the glottis for long necked animals;

13. the slaughter act shall sever the trachea, oesophagus and both the carotid arteries and jugular veins to hasten the bleeding and death of the animal. The bleeding shall be spontaneous and complete; and

14. a trained Muslim inspector shall be appointed and be responsible to check that the animals are properly slaughtered according to the *Shariah* law.

For poultry, scalding shall only be carried out on animals that are deemed dead as a result of *halal* slaughter. Stunning is not recommended. However if stunning is to be carried out, the
conditions specified shall be complied. Slaughter of poultry by mechanical knife shall be in accordance with the specified requirements.

*Product processing, handling and distribution*

All processed food is *halal* if it meets the following requirements:

1. the product or its ingredients do not contain any components or products of animals that are *non-halal* by *Shariah* law or products of animals that are not slaughtered according to *Shariah* law;
2. the product does not contain anything in any quantity that is decreed as *najis* by *Shariah* law;
3. the product or its ingredients are safe and not harmful;
4. the product is prepared, processed or manufactured using equipment and facilities that are free from contamination with *najis*; and
5. during its preparation, processing, packaging, storage or transportation, it shall be physically separated from any other food that does not meet the requirements specified earlier or any other things that are decreed as *najis* by *Shariah* law.

*Devices, utensils, machines and processing aids*

Devices, utensils, machines and processing aids used for processing *halal* food shall not be made of or contain any materials that are decreed as *najis* by *Shariah* law and shall be used only for *halal* food.

*Product storage, display and servings*

All *halal* food that are stored, displayed, sold or served shall be categorised and labelled *halal* and segregated at every stage so as to prevent them from being mixed or contaminated with things that are *non-halal*. 
Hygiene, sanitation and food safety

Hygiene, sanitation and food safety are prerequisites in the preparation of halal food. It includes the various aspects of personal hygiene, clothing, equipment and the working premises for processing or manufacture of food.
Appendix B

Requirements for Product manufacturer

1. Every product manufacturer who is interested to apply has to submit an application and the company must handle, supervise and process *halal* product only.

2. The contents of raw material, processed product and additives must be *halal*. The items must be similar as per the list mentioned in the application form.

3. The surrounding area must be clean and not be contaminated. Cleaning schedules must be proper and systematic.

4. During the production process, tools and must be properly organised and the place must be kept safe.

5. No third party contract except for *halal* product only.

The location of *halal* product manufacturer must be 5 km away from:

   i. Sty

   ii. Sewerage centre

6. Packaging materials must not be made of substances which are considered as najis (filthy) by Islamic Laws and harmful to health;

7. Packaging process must be handled hygienically in a perfect sanitation condition.

8. Every packaging must be clearly printed for easy reading, long lasting and the following information must be included;

   i. Name and/or product brand (as per stated in the *Halal* Certification certificate)

   ii. Minimum content in matric.

   iii. Name and address of manufacturer and/or distributor and trade mark.
iv. List of ingredients.

v. Code number representing date and / or production batch number / expiry date; and

vi. Halal logo of JAKIM/ JAIN/ MAIN.

9. The equipment used must be free from anything which is considered as najis (filthy) by Islamic Laws, not harmful and not making any side effect to the product.

10. The factory area must be fenced or the company may have a control system which can avoid animals from entering the premise.

Requirements for food premise

The followings items must be given attention for inspection purpose

1. Suspicious source of ingredients such as raw materials, processed materials or additives must be proven by a halal certificate from a recognised Islamic Body 2.

2. Preparation and handling of raw material and ingredients must meet halal standards, hygiene and safety as required.

3. Supply of chicken/duck or animals of the same kind must be sourced from a slaughter house which has halal Certification certificate from JAKIM/JAIN/MAIN

4. Sales of alcohol and of the same kind are prohibited.

5. Tools and appliances must be cleaned every time before and after they are being used. They can only be used for halal food cooking.

6. All tools and goods are arranged in a neat, clean and safe manner.

7. Every worker is encouraged to undergo Food serving and halal training

8. Safety and cleanliness measures must be complied with.
9. Storage of raw materials and finished product before or after the cooking must be maintained at satisfactory level in terms of cleanliness and safety.

10. There must be a separated storage for wet and dried raw materials and the raw materials must be properly arranged.

11. Transportation is used for halal product only.

Everything which is related to the food handling (goods, stove, tools, storage, packaging) must be for halal only.

Requirements for food outlet at hotel

The attentions for inspections are given to the following areas:

1. In general, it must be in accordance with item 8.4;

2. the inspection and certification process must be carried out in the hotel kitchen only.

3. the availability of two (2) full time muslim cook working in the kitchen.

4. all cutleries must be for halal only

5. Only halal products are prepared in the halal kitchen.

6. Any non halal or suspicious ingredients or raw material are not used for all kind of dishes like Western and Chinese food;

7. Kitchen for halal food is separated from the non-halal kitchen and they are not accessible to each other.

8. Same Staff are not allowed to enter both halal and non halal kitchen.

9. Wine and any item of the same kind are strictly prohibited in the halal kitchen.

Scope of inspection
The inspection process covers the following items:

1. documentation
2. processing, handling and product distribution
3. Tools, apparatus and machines
4. storage, display and product serving
5. cleanliness, sanitary and food safety
6. packaging and labeling; and
7. the overall aspects of the premise

For a hotel:

1. *Halal* logo/certificate must be displayed in the kitchen section or in *halal* section of a certified *halal* restaurant only. It is forbidden to display a *halal* logo/certificate at the cashier counter etc.

2. Not allowed to be printed on food and beverages menu.

3. *Halal* logo may be used for advertisement purpose and it must be placed appropriately.

4. The use of the logo is only allowed for products which have been officially certified as printed in the certificate issued by JAKIM / JAIN/MAIN

5. A company is allowed to print in any colour which is suitable for their product packaging as long it is within the specification of the original logo which has been issued.
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