



Evaluating The Moral Competencies Of Malaysia's Future Accountants: A Case Study Of International Islamic University Malaysia (IIUM)

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Abstract

Two decades of financial scandals have seriously damaged the credibility of accountants as guardians of financial information. To repair this credibility, universities have been identified as crucial to the development of morally competent accountants for the future. In 2012, the Malaysian government joined this crusade through the release of a blueprint to revolutionize the Malaysian educational system. One of the key mandates of this blueprint is for Malaysian educational institutions to produce morally competent professionals. This study seeks to assess the progress of Malaysian universities in meeting this important mandate by evaluating the moral competencies of final-year accounting students enrolled at the International Islamic University Malaysia (IIUM). As IIUM is an Islamic university, and all its final-year students are Muslims, an instrument was developed through a collaboration with Islamic accounting and Fiqh Muamalat scholars to measure the moral competencies of these students from a wholly Islamic perspective. Islam's two primary sources of guidance, The Noble Quran and Sunnah were relied upon to develop this instrument. The instrument called Muslim Accountant Moral Competency Test (MAMOC) contained ethical scenarios to measure nine qualities required for a morally competent Muslim accountant; 72 out of 90 enrolled final-year students were surveyed using MAMOC. The results of the survey revealed that according to IIUM's own grading system, the current crop of final-year accounting students were not morally competent enough to deal with the inevitable moral dilemmas they would face in the work place. The students were particularly weak regarding selecting an Islamically-appropriate place to work as well as in being diligent when discharging their accounting duties. On the bright side, the students showed a very clear understanding of the importance of being trustworthy and objective as professional accountants. The implications of these results is that at the moment, IIUM's accounting department is not meeting the government's mandate to produce morally competent professionals. The department has to re-examine its current curriculum as to its ethics coverage, particularly regarding qualities that the students scored very low on. The department has as its stated mission the production of accounting graduates "who are professional competent and observe ethical norms in their conduct" (Bachelor of accounting programme description, n.d.). It must make sure it does all it can to fulfill this noble mission.

Introduction

In the earliest part of the twenty-first century, the world was rocked by several financial scandals; from Enron to WorldCom; Tyco to Parmalat; Arthur Andersen to Shell, and more recently, the global financial crisis and the Toshiba accounting scandal (Bayou et al., 2011; Addady, 2015); these scandals directed the world's attention towards the issue of ethics education, and its role in developing the moral competencies of future accountants and corporate leaders.

The concern about the rampant increase in immoral practices of accountants and businessmen was not restricted only to America and Europe; there was also concern in Malaysia (Abu Bakar et al., 2010; Yunus and Abdul Rashid, 2011; Eid, 2012). In order to address this alarming increase in unethical and immoral behaviours among business people in Malaysia, the government focused on the educational sector as a viable mechanism for checking this growing menace. This is evidenced by a 2012 blueprint to overhaul the Malaysian educational system within thirteen years (Malaysia Education Blueprint 2013-2025, 2012). This blueprint has eleven key objectives, one of which is directly targeted to the issue of moral competence amongst young Malaysians, and is stated as follows: "Every student leaves school as a global citizen imbued with core, universal values and a strong Malaysian identity. The values they have learnt are applied in their day to day lives, leading to more civic behaviour such as an increase in volunteerism; a willingness to embrace peoples of other nationalities, religions and ethnicities; and a reduction in corruption and crime. Every student also leaves school prepared to act as a leader, whether in their own lives and families, or as part of the broader community and nation" (Malaysia Education Blueprint 2013-2025, 2012, p34). The Malaysian government's message to all educational institutions in Malaysia regarding moral competence is clear: Produce students who have excellent moral values and ethics.

Three years have passed since the government's 2012 mandate to universities for the production of morally competent professionals. This paper seeks to shed light on how well Malaysian universities are fulfilling this crucial mandate specifically regarding future accountants by assessing the moral competencies of final-year accounting students enrolled at the International Islamic University Malaysia (IIUM). With 61.3% of the Malaysian population being Muslims, accounting students enrolled at IIUM represent a sample of the majority of the next generation of Malaysian accountants. As this paper dealt

exclusively with Muslim accounting students, moral competence was viewed from a wholly Islamic perspective with complete reliance on Islam's primary sources of guidance: The Noble Quran and Sunnah of the Prophet Muhammad (Peace be upon him [PBUH]). The Sunnah represents the sayings and actions of the Prophet Muhammad (PBUH) that are narrated by his companions in compilations called hadith. The Sunnah serves as a complement to the Noble Quran as a source of guidance for Muslims.

The rest of the paper proceeds as follows: Firstly, a literature review of the scholarship on the relationship between university education and moral competency is presented. Secondly, this paper's conceptual framework is presented, followed by the research methodology adopted. The findings of the paper are then presented, along with a discussion of their implications. Finally, the paper ends with a conclusion.

Literature Review: University Education And Moral Competence

The papers reviewed were concerned with the relationship between various aspects of education and the development of the moral competence. Specifically there were three key concerns: 1) The impact of education in general on moral competence (Piaget, 1932; Kohlberg, 1958; Rest, 1986; Rest, 1989; Liaquat et al., n.d., Al-Ansari, 2002; Schillinger, 2006; Lofstrom, 2012; Thomas, 2012; Clipa and Iorga, 2013; Doyle and O'Flaherty, 2013; Lajciakova, 2013; Chafi, 2013; Özdemir et al., 2015). 2) The impact of "ethics" education on moral competence (Sullivan, 2004; Dellaportas, 2006; Abdulmohammadi & Baker, 2007; Bosco et al., 2010; Saat et al., 2010; Altmyer et al, 2011; Pleban et al., 2011; Holmes et al., 2012; Chaganti, 2012; Padia & Maroun, 2012; May & Luth, 2013; Self et al., 2013), and 3) A description of the "optimum" content of ethics education (Titus et al., 2011; Wortel and Bosch, 2011; Fontaine et al., 2012; Kavathatzopoulous, 2012; Montgomery and Walker, 2012; Schmidt et al., 2013; Thiel et al., 2013; Grezo & Pilarik, 2013; and Kwok and Selman, 2013).. An overview of each of these concerns is provided below. Additionally, the Islamic position on the role of education in moral competence development is also provided.

1: The impact of education on moral competence

Swiss psychologist and philosopher, Jean Piaget was arguably one of the most influential proponents of the importance of education in the moral development of individual, particularly those of children (Rest, 1989). In his 1932 landmark work entitled "The Moral Judgment of the Child", he sought to investigate the moral developmental process of children by interviewing a large number of children from various schools in the Swiss

towns of Geneva and Neuchatel. The results of these interviews led to the postulation of a theory of child moral development that consisted of four developmental stages: The first stage was called sensorimotor stage; at this stage, children from birth to age two were focused only on themselves and were incapable of considering the welfare of others. At the second stage called the preoperational stage, children ages two to seven are still predominantly concerned only about themselves, but begin to develop an understanding of the welfare of others as well. The concrete operational stage follows whereby children aged seven to eleven became more logical in their thinking, and were no longer concerned only about themselves. At the fourth and final stage (formal operational stage), children from eleven and older were now able to think in abstract and holistic terms regarding issues of morality. Piaget (1932) concluded that children's morality is shaped by what they observe, and thus educational institutions have a critical role to play in their moral development by providing an interactive learning environment.

Lawrence Kohlberg, an American psychologist, built upon the work done by Piaget (1932). Kohlberg (1958) argued that the main goal of education should be moral development. He sought to assess the impact of education on the moral development of children of ages 10-16 by assessing their responses to various moral dilemmas. The major fruit of his research was the postulation of the now very famous "stages of moral development". Kohlberg's (1958) theory of moral development identified six stages of moral development, classified under three levels, each level containing two stages. The first level is called the pre-conventional level containing stages 1 and 2; at stage 1, a child acts morally so as to avoid punishment, while at stage 2, he or she acts morally to earn a reward. The next level is the conventional level containing stages 3 and 4; at stage 3, a child acts in a way that is accepted by society, and at stage 4 a child obeys the established laws of the land. The final level is the post-conventional level containing stages 5 and 6; at stage 5, a child chooses actions that will benefit the majority (this is similar to the utilitarian rule of ethics), and at stage 6, a child acts based on universal principles.

Rest (1986), an American moral psychologist, followed in the footsteps of his mentor, Kohlberg, by theorizing that if educators were to effectively enhance the moral development of students, they had to understand the psychological processes that needed to take place for moral action to occur. He developed a four-component model of ethical behavior to explain these processes. The 1st component was moral sensitivity which is the recognition of the existence of an ethical problem; the 2nd component was moral judgment

which is making a determination of the right course of action to take in that specific ethical context; the 3rd component, moral motivation refers to the strength of an individual's conviction to actually follow through with the right course of action identified through his moral judgment, and the 4th component, moral character represents the actual implementation of the chosen course of action. Rest (1986) argued that by understanding these four components, educators could develop ethics curricula that would enhance each of these components, and thus improve the moral competencies of students.

After these landmark pieces of scholarship by Piaget (1932), Kohlberg (1958) and Rest (1986), several studies have sought to empirically test the role of a university education on the moral competencies of students. A majority of these studies, Chafi's (2013) and Özdemir et al.'s (2015) studies being the only dissenting voices, provided evidence to support the assertion that education, regardless of the level, has a positive impact in developing students' moral competencies (Liaquat et al., n.d., Al-Ansari, 2002; Schillinger, 2006; Thomas, 2012; Clipa and Iorga, 2013; Doyle and O'Flaherty, 2013). Moral development was more pronounced in students of the humanities than those involved in technical disciplines (Lofstrom, 2012; Lajciakova, 2013).

2: The impact of "ethics" education on moral competence

Unlike studies in the section above that focused on the impact of education in general on moral competence, those reviewed in this section focused on determining the impact of ethics education, be it a stand-alone ethics course or integrated ethics coverage within the curriculum, on the moral competencies of students. A review of these studies revealed that the results were mixed, with some studies finding a positive relationship between ethics education and moral competence (Sullivan, 2004; Dellaportas, 2006; Abdulmohammadi & Baker, 2007; Bosco et al., 2010; Saat et al., 2010; Pleban et al., 2011; Holmes et al., 2012), and others finding no significant relationship between these two concepts (Altmyer et al, 2011; Chaganti, 2012; Padia & Maroun, 2012; May & Luth, 2013; Self et al., 2013).

3: The "optimum" content of ethics education

Despite mixed results regarding the effectiveness of ethics education in improving students' moral competence as evidenced by the studies reviewed in the previous section, papers reviewed in this section all had the basic assumption that ethics education was indeed effective in improving moral competence. Their concern was in "optimum" content for effective ethics education. Three distinct suggestions by scholars were observed; the

first group advocated discipline-specific dilemmas as optimum (Titus et al., 2011; Schmidt et al., 2013). The second group advocated inclusion of “emotion laden” scenarios (Fontaine et al., 2012; Thiel et al., 2013 and Grezo and Pilarik, 2013), while the third group advocated a combination of the “Socratic Method” and “Reflective Teaching” (Wortel and Bosch, 2011; Kavathatzopoulous, 2012; Montgomery and Walker, 2012; and Kwok and Selman, 2013). A brief discussion of each of these groups follows in the subsequent paragraphs.

The first group that advocated discipline-specific scenarios argued that the Rest's Defining Issues Test, which is the most commonly utilized instrument in moral competence scholarship, was too abstract and did not capture the realities of the dilemmas faced by specific professions. Each profession had to develop ethical scenarios that mirrored those that would actually be faced by their practitioners in the work environment.

The second group of scholars argued that ethical scenarios that evoked an emotional response from students would be most effective for enhancing students' moral competence. Fictional stories full of strong emotional cues and visuals would provide students with a wider and more enjoyable experience of ethical issues.

The third group advocated a combination of the “Socratic Method” and “Reflective Teaching”. The “Socratic Method” is based on the work of renowned Greek philosopher Socrates and states that the best way to acquire knowledge and insight is through dialogue (Wortel and Bosch, 2011). “Reflective teaching” occurs when students are taught that resolving moral dilemmas is not limited to the use of logic alone, but to the use of one's internal belief system as well (Montgomery and Walker, 2012).

4. Islamic position on the relationship between education and moral competence

From an Islamic perspective, the relationship between education and moral competence is a pivotal one. This is evidenced by the fact that the first revealed verses of the Noble Qur'an emphasize this relationship as follows: **Read in the name of your Lord who created. He created man from a clot. Read and your Lord is Most Honorable. Who taught to write with the pen. Taught man what he knew not (al-Alaq: 1-5).** In addition, the Noble Prophet Muhammad (PBUH) also emphasized the importance of seeking knowledge in the following *hadith* narrated by Abu Hurairah, **“I heard the Messenger of Allah (PBUH) saying: ‘This world is cursed and what is in it is cursed, except the remembrance of Allah (dhikr) and what is conducive to that, or one who**

has knowledge or who acquires knowledge.” (Sunan Ibn Majah, Vol. 1, Book 37, Hadith 4112).

In Islam, there is no distinction between education and ethics education. All courses of study must be done “in the name of Allah”. Additionally, regarding the optimum content of education, Muslims are required only to seek beneficial knowledge which brings them closer to Allah. The Prophet (PBUH) informs of this fact in the following *hadith* narrated by Jabir, **the Messenger of Allah said: ‘Ask Allah for beneficial knowledge and seek refuge with Allah from knowledge that is of no benefit.” (Sunan Ibn Majah, Book 34, Hadith 17).**

The ultimate objective of seeking knowledge in Islam is to develop the fear of Allah and thus worship Him as He ought to be worshipped. Allah informs us of this in the 28th verse of *Surah Fatir* as follows: **And among people and moving creatures and grazing livestock are various colours similarly. Only those fear Allah, from among His servants, who have knowledge. Indeed, Allah is Exalted in Might and Forgiving.**

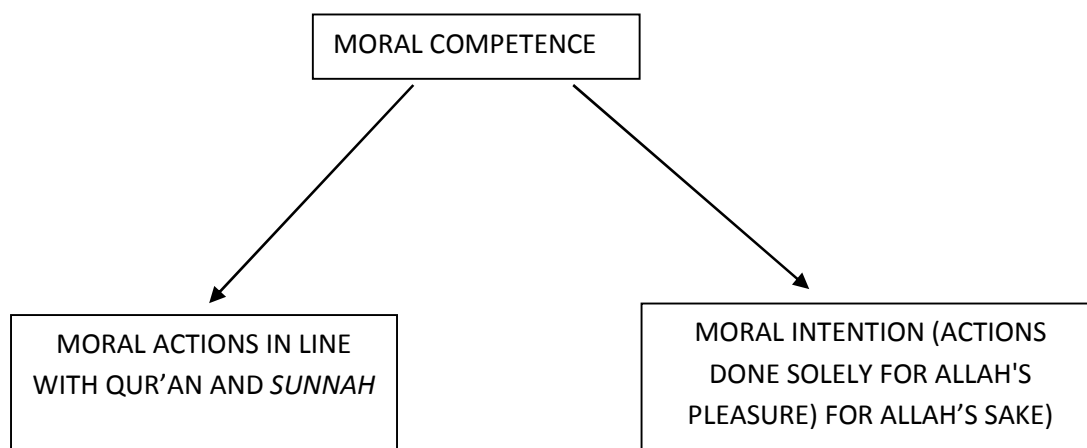
Conceptual Framework

As previously discussed, the *sole* focus of this study was on future *Muslim* Accountants, which are identified as final-year *Muslim* accounting students enrolled at IIUM. For this reason the concept of moral competence was considered from a wholly Islamic perspective, which is to say from the concept of The Noble Qur’an and Sunnah. Thus, a morally competent Muslim accountant was defined as **one who has the ability to make moral decisions in line with the commands of Allah in the Noble Qur’an, and in accordance with the Sunnah of the Noble Prophet Muhammad (PBUH), in discharging his or her duties as an accountant.**

In Islam, this concept of moral competence is made up of two separate but interdependent parts: 1) doing the right thing (moral action), and 2) doing the right thing for Allah’s sake alone (moral intention). In the sight of Almighty Allah, a moral action is only acceptable if the moral intention is solely for His pleasure. The Blessed Prophet Muhammad (PBUH) explains this very important point in the famous *hadith* narrated by Umar bin Al-Khattab: **The Messenger of Allah (PBUH) said, “The deeds are considered by the intentions, and a person will get the reward according to his intention. So whoever emigrated for Allah and His Messenger, his emigration will be for Allah and His Messenger; and whoever emigrated for worldly benefits or for a woman to marry, his emigration would be for what he emigrated for” (Riyad as-Salihin, Book 1, Hadith**

1). This is a very crucial concept which this study took into consideration when assessing the moral competencies of Malaysia's future Muslim accountants. Figure 1 below illustrates the above mentioned conceptualization of moral competence.

Figure 1: Conceptualization of Moral Competence



Research Methodology

This section of the paper present the study's research design and methodology. Firstly, an overview of IIUM is provided, with particular emphasis on the accounting department from which the students that participated in the study belong to. Secondly, the steps followed to develop a profile of a morally competent Muslim accountant are presented. Thirdly, the steps followed to develop the instrument to measure the moral competencies of Muslim accounting students is presented. Finally, the actual procedure adopted for measuring the moral competencies of the specified students is discussed.

An overview of the International Islamic University Malaysia (IIUM):

IIUM was established on 23rd May, 1983 based on the philosophy that all fields of knowledge should lead toward the recognition of, and submission to, the fact that Almighty Allah is the only one worthy of worship and is the Absolute Creator and Master of the universe. IIUM has a four-pronged mission of Integration, Islamization, Internationalization and Comprehensive Excellence (International Islamic University, 2014). The university provides bachelors' degrees, masters' degrees and doctorate degrees in its 13 faculties called "kulliyahs". Of particular interest to this study was IIUM's undergraduate accounting program which is accredited by the Malaysian Institute of Accountants (MIA). MIA accreditation of an accounting programme is very important as only students that graduate from such programmes can legally call themselves "accountants" in Malaysia (Malaysian Institute of Accountants, 2014). IIUM's accounting

programme claims to integrate Islamic principles with contemporary accounting knowledge. In order to graduate, students are required to complete a minimum of 134 hours of a combination of university-required, kulliyah-required and departmental courses which includes practical training; 3 of the university-required courses have Islamic ethical content (a. Islamic Worldview, b. Islam, Knowledge and Civilization and c. Ethics and Fiqh for Everyday Life); 4 of the kulliyah-required courses have Islamic ethical content. In addition, a recent Islamization initiative has mandated that ethical and Islamic content be integrated in all courses (International Islamic University, 2014). At the time this study, IIUM department of accounting had 28 academic staff and 552 undergraduate students enrolled.

Developing the Profile of the morally competent Muslim accountant

This section described the process adopted in order to develop the profile of a morally competent Muslim accountant. The profile was developed from the perspective of the Muslim accounting graduate, and was divided into two components: 1) Finding the “right” job, and 2) Following an Islamic “code of conduct”. A discussion of these two components is presented below

1: Finding the “right” job

Nu'man b. Bashir (Allah be pleased with him) reported: I heard Allah's Messenger (PBUH) as having said this (and Nu'man) pointed towards his ears with his fingers): What is lawful is evident and what is unlawful is evident, and in between them are the things doubtful which many people do not know. So he who guards against doubtful things keeps his religion and honor blameless, and he who indulges in doubtful things indulges in fact in unlawful things, just as a shepherd who pastures his animals round a preserve will soon pasture them in it. Beware, every king has a preserve, and the things God has declared unlawful are His preserves. Beware, in the body there is a piece of flesh; if it is sound, the whole body is sound and if it is corrupt the whole body is corrupt, and hearken it is the heart (Sahih Muslim 1599a, Book 22, Hadith 133).

For the Muslim accounting graduate, the first challenge that faces him or her is finding the “right” job. The “right” job is one where all activities are in line with the Qur’an and *Sunnah*. As the *hadith* above teaches us, the permissible jobs are clear and the prohibited jobs are clear, and the morally competent Muslim accountant must be able to make this distinction. The permissible activities are numerous in number, and thus the Muslim

accountant has many options. **Say, "My Lord has only forbidden immoralities - what is apparent of them and what is concealed - and sin, and oppression without right, and that you associate with Allah that for which He has not sent down authority, and that you say about Allah that which you do not know"(Al-Araf: 33).** However, there are certain kinds of jobs the Muslim accountant has to avoid because the activities that they engage in are incompatible with the commands of Almighty Allah. **...And cooperate in righteousness and piety, but do not cooperate in sin and aggression. And fear Allah; indeed, Allah is severe in penalty (Al-Maeda: 2).** Some of the most commonly known *haram* activities include i) dealing in interest, ii) gambling, and iii) dealing with intoxicants.

After securing a job at an Allah-approved organization, the next concern for the morally competent Muslim accountant is to fulfill his or her duties in accordance with the commands of Almighty Allah. This "Code of Conduct" represented the second component of the profile.

2: Following an Islamic Code of Conduct

As mentioned already in previous parts of this study, every act of a morally competent Muslim must be done with the objective of earning the pleasure of The Most Gracious Allah. A Muslim accountant must thus keep this critical objective in mind whilst discharging his or her duties as an accountant. The objective of this component of the profile was to develop a comprehensive Islamic code of conduct that includes all the qualities that a morally Muslim accountant must display in order to please his Creator. In order to develop this code of conduct for Muslim accountants, the study adopted a two-pronged approach.

The first prong was to adopt the code of conduct for Muslim accountants developed by the Accounting and Audit Organization for Islamic Financial Institutions (AAOIFI) as a foundation for this component of the profile. AAOIFI's code of conduct for Muslim accountants was published in 1991 and is derived from the Noble Qur'an and Sunnah; this made it an excellent starting point. AAOIFI's code of conduct contains five ethical principles described below:

1. Trustworthiness: The Muslim accountant should be straightforward and honest whilst discharging his duties, and must never present untruthful information.

2. Objectivity: The Muslim accountant should be fair, impartial and free from any conflict of interest.

3. Professional competence and diligence: The Muslim accountant must possess the requisite skill necessary to successfully discharge his duties.

4. Confidentiality: The Muslim accountant must never divulge information obtained about an organization during the course of discharging his or her duties without permission unless he or she is legally or professionally obliged to do so.

5. Professional conduct and technical standards: The Muslim accountant must observe the rules of professional conduct and obey the accounting and auditing standards of Shariah-compliant organizations.

The second prong was to **interview** and consult extensively with five Islamic scholars well versed in the Qur'an and *Sunnah*, particularly in the areas of "Islamic accounting" as well as "*Fiqh Mu'amalat*" (Laws of Islamic business transactions). These consultations established the content validity of AAOIFI's code of conduct. In addition to the five qualities listed by AAOIFI's code of conduct, the scholars suggested that three more qualities be added under the umbrella of "Faith-Driven" conduct, which are unique to the Muslim accountant. These qualities included 1) Avoiding interest, 2) Avoiding gambling, and 3) Avoiding physical contact with the opposite sex (*non-mahram*).

In total the developed profile of the ideal Muslim accountant had nine key qualities listed below:

1) Finding the right job 2) Trustworthiness 3) Objectivity 4) Professional competence and diligence 5) Confidentiality 6) Professional conduct and technical standards 7) Avoiding interest 8) Avoiding gambling 9) Avoiding physical contact with the opposite sex.

After the development of the two-component profile of a morally competent Muslim accountant was completed, the next step was to develop an instrument capable of effectively measuring the nine qualities contained in the profile

Developing the Muslim Accountant Moral Competency Test (MAMOC)

A collaborative effort by the researchers and the five Islamic accounting and *Fiqh Mu'amalat* scholars resulted in the development of nine interrelated ethical scenarios to measure each of the nine qualities of a morally competent Muslim accountant highlighted above. The instrument thus developed was called "The Muslim Accountant Moral Competency Test" or "MAMOC" (MAMOC and the model answers are presented as an appendix at the end of this paper).

MAMOC had a title and three main sections: The instrument was titled "Understanding the Career Aspirations and Work-Related Decisions of Future Accountants". In order to

minimize social desirability bias amongst the respondents, the study's objective was disguised by giving the instrument this neutral heading without any obvious moral overtones. The first section was a demographic section with two items (Age and Gender). The second section was titled "Choosing your dream job". Here, the respondents were given a choice of five job offers from companies in different industries. Each job offer had a company description, a job description and an annual salary. This section sought to determine if the Muslim accounting students knew what the right job was from an Islamic perspective. To test this important aspect of the students' moral competencies, all the jobs offered were unacceptable from an Islamic perspective; It was expected that the morally competent student would recognize this, and consequently reject all job offers on the basis of their unacceptability Islamically. The third section was titled "Living your dream job", and contained eight ethical scenarios, with each scenario testing each of the eight qualities of a morally competent accountant mentioned earlier [1) Trustworthiness 2) Objectivity 3) Professional competence and diligence 4) Confidentiality 5) Professional conduct and technical standards 6) Avoiding interest 7) Avoiding gambling 8) Avoiding physical contact with the opposite sex]. The protagonist in the scenarios was a friend of the respondent, and the respondent was required to resolve the ethical dilemmas by advising his or her friend on what to do. The scenarios were structured in this way with the hope that respondents would be more honest in their answers if they were placed in an advisory capacity, rather than as the main actors in the scenarios. To conclude the instrument, the students were asked whether would remain with the company after all the experiences contained in the previous scenarios.

The ethical scenarios contained in the instrument were then resolved by the scholars based on evidence from the Qur'an and Sunnah. Their solution served as the model answer to each scenario, and also served as a scoring guide for determining the moral competencies of the students surveyed.

A pilot study was carried out using the newly developed instrument to assess whether respondents would understand the instructions, terminology and content of the questionnaire. Additionally, the pilot study enabled the researcher to ascertain the reliability of the scoring system developed by the Islamic scholars. 1st-year Muslim students from the Economics and Management Faculty at IIUM were used to conduct the pilot study. These students were enrolled in four different sections of a Financial Accounting Fundamentals class, and were selected because they closely resembled the

students selected for the actual study, final-year Muslim accounting students. 100 questionnaires were distributed, and the students were asked to carefully go through the questionnaire and ask any questions they might have as to its content. All the students stated that they clearly understood how to fill the questionnaires. The students were then told to take the questionnaires home, complete them, and bring them to the next class session. They were also told to write down how long it took them to complete the questionnaire. 33 out of the 100 distributed questionnaires were returned.

An analysis of the completed questionnaires revealed that the students did indeed understand how to fill them. They provided well-thought out and clear resolutions to the various scenarios, and followed the stated instructions very well. The fact that first-year students could understand the instructions, content and terminology of MAMOC so well provided the researchers with confidence that the actual respondents of the study, final-year accounting students at IIUM, would understand just as well.

Savulescu et al. (1999) explain that any instrument that is to be used to measure moral competence must be capable of being reliably applied by different raters. They also suggested that "naïve" raters should be utilized (naïve raters are those not involved in the development of the instrument). Following Savulescu et al.'s (1999) advice, after the pilot study was completed, the inter-rater reliability of the scoring system was assessed using the completed questionnaires from the pilot study; Inter-rater reliability is defined as the degree to which different judges or raters agree in their assessment decisions" (Phelan & Wren, 2006). One of the researchers and one naïve rater used the model answers to assess the moral competencies of the students that participated in the pilot study. Halgren (2012) stated that Intra-Class Correlation (ICC) is the most commonly used statistical procedure to determine inter-rater reliability for studies that have two or more raters, with continuous variables. SPSS was used to calculate the instrument's inter-rater reliability using ICC. High ICC values indicate greater inter-rater reliability, with an ICC estimate of the 1 indicating perfect agreement and 0 indicating only random agreement. Negative ICC estimates indicate systematic disagreement between the raters (Halgren, 2012). After the completed pilot study questionnaires had been rated by one of the researchers and the naïve rater, an Intra-Class correlation coefficient of 0.943 showed that the two raters had an almost perfect agreement when assessing the moral competencies of the pilot study participants. This result proved the reliability of the model answer for assessment of students' moral competencies.

Another revelation of the pilot study was the fact that it took the students an average of thirty minutes to complete the questionnaire. This time was then used for the actual study. Finally, the pilot study revealed that the best approach for conducting the survey would be to get the students to complete the survey during class time, as opposed to letting them take it home and bringing it back during the next class session. By conducting the survey in class, the researchers were able to collect the completed questionnaires immediately, thus ensuring a much higher response rate in the actual study.

As specified in an earlier section of this paper, moral competence (MC) from an Islamic perspective is a product of two components: moral action in line with the Qur'an and Sunnah (MA) and moral intention to please Almighty Allah alone (MI). Participating students were asked to resolve each scenario by stating the action they would advise their friend to take (MA), and providing a reason for that advice (MI). If a student's MA corresponded with the model MA, a score of 1 was given; if it did not, a score of 0 is given. The same rule applied for MI (1 for the correct reason, and 0 for incorrect reason). For each scenario, a student's $MC = MA * MI$. For a student to have a score for any scenario, both MA and MI must have corresponded with the model answers, otherwise he or she scored 0 for that scenario. Scores for each scenario were added to provide an overall MC score for each student; MC scores could range from a minimum of "0" to a maximum of "10"

Measuring the moral competencies of final-year Muslim accounting students at IIUM

Following the approach adopted in the pilot study, all sections of a compulsory final-year accounting course were surveyed using MAMOC. The objective was to survey the entire population of final-year accounting students at IIUM; the reality of course was that not all students were present at the various sections of the course when the survey was conducted. However, 72 out of a total of 90 final-year students completed the questionnaire. The IIUM lecturers were kind enough to allow the researchers to spend thirty minutes of their class time to conduct the survey, and collect the completed instruments at the end of the allotted time.

Research Findings And Discussion

This section of the paper presents the research findings and their implications. The descriptive statistics of the study's respondents is presented first. The students' mean MC scores are presented next, and this is followed by a more detailed analysis of their performance for each scenario and the implication vis-a-vis their future as Malaysian

accountants. To provide insight as to the performances of the students overall vis-a-vis their moral competencies, as well as their performance for each scenario, IIUM's undergraduate grading system will be utilized. The lowest grade for a pass is a grade of "C". The grading system is presented in Table 1 below:

Table 1: IIUM Undergraduate Grading System

Percentage Score	Letter Grade	Quality Point Equivalent	Remark
85-100	A	4.00	Excellent
75-84	A-	3.67	Extremely Good
70-74	B+	3.33	Very Good
65-69	B	3.00	Good
60-64	B-	2.67	Fairly Good
55-59	C	2.33	Satisfactory
50-54	C-	2.00	Quite Satisfactory
45-49	D	1.67	Poor
40-44	D-	1.33	Very Poor
35-39	E	1.00	Extremely Poor
0-34	F	0.00	Failed

Source: IIUM website

Moral Competencies of Final-year Muslim Accounting Students at IIUM

Tables 2 and 3 below presents information about the study's sample via descriptive statistics: The 72 students sampled had an average age of 23.47 years, and females made up 86.1% of the sample, with 62 out of the 72 being females. Table 4 presents the mean moral competency of the 72 final-year Muslim accounting students surveyed at IIUM. The students' had a mean moral competency of 5.39 out of a maximum of 10; This is a percentage score of 53.9%, which according to Table 1 means that the final-year accounting students surveyed earned a moral competence grade of "C-" which IIUM considers "Quite satisfactory", but interestingly is below the "C" grade necessary for graduation from the accounting department. The implication of this statistic is that according to IIUM's own grading standards, their current graduating class is not at an acceptable level of moral competence needed to deal with the inevitable moral dilemmas in the work place. The Malaysian government's 2012 mandate that all universities are to develop morally competent accountants is not currently being attained by IIUM's accounting department, based on the university's own grading system. Additionally, the

department is falling below its stated aim of producing accounting professionals that "observe ethical norms in their conduct" (Bachelor of Accounting Programme Description, n.d.). In light of these revelations, it is very important for the department to review the ethical content of its curriculum, and hold targeted discussions with the academic staff in order to come up with strategies to address this important task of enhancing the moral competencies of Malaysia's future Muslim accountants. An examination of how well the students performed vis-a-vis each scenario will shed more light on the specific qualities the department needs to focus on developing amongst their accounting students.

Table 2: Average age of students

	N	Minimum	Maximum	Mean	Std. Deviation
AGE	72	22	25	23.47	.804
Valid N (listwise)	72				

Table 3: Gender

	Frequency	Percent	Valid Percent	Cumulative Percent
MALE	10	13.9	13.9	13.9
Valid FEMALE	62	86.1	86.1	100.0
Total	72	100.0	100.0	

Table 4: Mean moral competencies of final-year IIUM accounting students

	N	Minimum	Maximum	Mean	Std. Deviation
MCSCORE	72	2	10	5.39	2.268
Valid N (listwise)	72				

Section 2: Choosing your dream job

Table 5: Choosing your dream job

	Frequency	Percent	Valid Percent	Cumulative Percent
0	52	72.2	72.2	72.2
Valid 1	20	27.8	27.8	100.0
Total	72	100.0	100.0	

Table 5 above shows that only 27.8% of the students were able to understand that none of the five jobs offered were acceptable from an Islamic perspective. According to IIUM's grading system, the students scored a failing grade of "F" in this scenario. In assessing the responses of the majority of the students, it was observed that salary was major motivation for job selection, closely followed by personal interest.

This statistic has grave implications regarding the moral competencies of Malaysia's future Muslim accountants. This is because, working in an organization that is involved in haram (prohibited) activities has devastating spiritual effects on the soul of a Muslim. All earnings from such a job are considered haram, and thus any usage of those earnings are also considered haram. In fact, choosing to work in a haram organization negates all the other eight qualities included in the profile of a morally competent accountant. Being trustworthy and professionally diligent whilst working in a haram organization has no value in the sight of Allah, as the foundation is rotten, and Allah only accepts what is pure. The following *hadith* provides a clear description of the grave consequence of choosing a haram job: **Narrated Abu Hurairah: that the Messenger of Allah (PBUH) said: "O you people! Indeed Allah is Tayyib (good) and he does not accept but what is good. And indeed Allah ordered the believers with what He ordered the Messengers. He (PBUH) said: 'O you Messengers! Eat of the good things and do righteous deeds. Verily I am well acquainted with what you do (Q23:51).'' And He said: 'O you who believe! Eat from the good things We have provided you (Q2:172).'' He said: "And he mentioned a man: 'Who is undertaking a long journey, whose hair is dishevelled and he is covered with dust. He raises his hands to the heavens and says: "O Lord! O Lord!" Yet his food is from the unlawful, his drink is from the unlawful, his clothing is from the unlawful, and he was nourished by the unlawful. So how can that be accepted?" (Jami at-Tirmidhi, Book 47, *Hadith* 3257).**

This statistic also serves as a much-needed reminder for the accounting department at IIUM. The department has claimed as its mission statement, the development of accountants inculcated with Islamic values; However, more than 70% of their graduating class do not possess the fundamental moral competence to understand that they must work in an organization approved by Allah to be successful in this world and the next. It is hoped that this will spur the department to make sure that students are inculcated with this fundamental aspect of Islamic moral competence.

Section 3: Living your dream job

Scenario 1: Professional Conduct

Table 6: Professional Conduct

	Frequency	Percent	Valid Percent	Cumulative Percent
0	20	27.8	27.8	27.8
Valid 1	52	72.2	72.2	100.0
Total	72	100.0	100.0	

Table 6 above shows that unlike in the "choosing your dream job" scenario where the students' had a failing grade, they did much better regarding resolving the professional conduct scenario, with a percentage score of 72.2% corresponding to a "B+" grade which is ranked as "very good". The implication of this statistic is that a majority of IIUM's final-year accounting students understood that a job was a trust and that Allah would hold them accountable for fulfilling that trust. For this reason, they understood that they had to strictly follow the working hours stipulated by the organization in order to fulfill that trust. Additionally, it showed that they were aware of the fact that as future professional Muslim accountants, they have a duty to maintain a high level of conduct as they discharge their duties. Almighty Allah says: **"Indeed, Allah commands you to render trusts to whom they are due and when you judge between people to judge with justice. Excellent is that which Allah instructs you. Indeed, Allah is ever Hearing and Seeing"** (An-Nisa: 58).

Scenario 2: Trustworthiness

Table 7: Trustworthiness

	Frequency	Percent	Valid Percent	Cumulative Percent
0	22	30.6	30.6	30.6
Valid 1	50	69.4	69.4	100.0
Total	72	100.0	100.0	

Table 7 above reveals that 69.4% of the students showed signs of trustworthiness by correctly resolving this scenario. This earned them a "B" grade and a "good" performance regarding this quality. The students who successfully resolved this scenario revealed an understanding of the fact that they had a moral obligation to avoid the manipulation of financial statements despite external pressure from superiors. As Muslim accountants, accountability is first and foremost to Allah above all else: **That is only Satan who frightens [you] of his supporters. So fear them not, but fear Me, if you are [indeed] believers (Ali 'Imran: 175).**

Scenario 3: Professional Competence and Diligence

Table 8: Professional Competence and Diligence

	Frequency	Percent	Valid Percent	Cumulative Percent
0	48	66.7	66.7	66.7
Valid 1	24	33.3	33.3	100.0
Total	72	100.0	100.0	

Table 8 above reveals that only 33.3% of the students correctly resolved this scenario, thus earning them a failing grade of "F". 66.7% of the students put their personal interests over their diligence as accountants by advising their friend in the scenario to place RM20 of his own money into the company account to rectify a discovered irregularity, so as to make a flight for a holiday; The justification for this choice was that the amount was immaterial. Islam holds Muslims to a higher standard, and regardless of the amount of the irregularity, the correct resolution that reflected professional competence and diligence was for the accountant to go through all the company transactions again so as to identify

and rectify the irregularity. This is what his job entails and as a Muslim accountant, he is obligated to fulfill. **"O you who have believed, fulfill [all] obligations..." (Al-Ma'idah:1).**

Scenario 4: Avoiding Interest

Table 9: Avoiding Interest

	Frequency	Percent	Valid Percent	Cumulative Percent
0	30	41.7	41.7	41.7
Valid 1	42	58.3	58.3	100.0
Total	72	100.0	100.0	

Table 9 above shows that 58.3% of the students correctly resolved this scenario, which earns them a grade of "C" and a remark of "Satisfactory". 42 out of the 72 students understood that dealing with interest is strictly forbidden in Islam.

According to IIUM's grading system, this grade is sufficient for the students to graduate. However, IIUM's accounting department has significant room for improving the students' moral competence regarding dealing with interest, as it is a major sin with severe consequences: **"O you who have believed, fear Allah and give up what remains [due to you] of interest, if you should be believers. And if you do not, then be informed of a war [against you] from Allah and His Messenger. But if you repent, you may have your principal - [thus] you do no wrong, nor are you wronged (Al-Baqarah: 278-279).**

Scenario 5: Avoiding gambling

Table 10: Avoiding Gambling

	Frequency	Percent	Valid Percent	Cumulative Percent
0	42	58.3	58.3	58.3
Valid 1	30	41.7	41.7	100.0
Total	72	100.0	100.0	

Table 10 above reveals that only 41.7% of the students correctly resolved this scenario, thus earning a "very poor" grade of "D-". The students' responses showed that 58.3% of

them did not realize that any form of gambling is prohibited in Islam, even if it is done supposedly to encourage a virtuous behaviour, as was the case in the scenario. **"O you who have believed, indeed, intoxicants, gambling, [sacrificing on] stone alters [to other than Allah], and divining arrows are but defilement from the work of Satan, so avoid it that you may be successful" (Al-Maidah: 90).**

Scenario 6: Avoiding physical contact with the opposite sex (*non-mahram*)

Table 11: Avoiding physical contact with a *non-mahram*

	Frequency	Percent	Valid Percent	Cumulative Percent
0	38	52.8	52.8	52.8
Valid 1	34	47.2	47.2	100.0
Total	72	100.0	100.0	

Table 11 above reveals that 47.2% of the students correctly resolved the scenario, earning a grade of "D" which is deemed "poor". This statistic is concerning due to the fact that in Islam, men and women who are unrelated (*non-mahram*) are not allowed to have any physical contact whatsoever. This is evidenced by the following hadith: Ma'qil ibn Yassar said: the Messenger of Allah (PBUH) said: "For one of you to be stabbed in the head with an iron needle is better for him than that he should touch a woman who is not permissible for him." (At-Tabarani, *al-Kabeer*, 486).

Most of the students who incorrectly resolved the scenario actually understood that Muslim men and women who are unrelated are not allowed physical contact, no matter how innocent it might seem. However, they had the misconception that as long the woman wore gloves, it was acceptable. Renowned islamic scholar, Shaykh Abd-Allaah ibn Jibreen clarifies this misconception as follows: " It is not permissible for a woman to shake hands with a non-mahram man even if she is wearing gloves or she shakes hands from under a cloth or abayah. All of that counts as shaking hands even if there is some kind of barrier" (14044: Is a woman sinning if she shakes hands with a man?, n.d.). Some other students felt it was okay for a Muslim woman to shake a non-mahram man so as not to offend his sensibilities. This is of course not acceptable islamically; People's pleasure must never be the focus if it means displeasing Allah.

Scenario 7: Objectivity

Table 12: Objectivity

	Frequency	Percent	Valid Percent	Cumulative Percent
0	8	11.1	11.1	11.1
Valid 1	64	88.9	88.9	100.0
Total	72	100.0	100.0	

Table 12 above reveals that 88.9% of the students correctly resolved this scenario, thus receiving an "excellent" grade of "A". 64 out of the 72 students understood that as Muslim accountants, they have to be objective in discharging their duties; There is no room for bias as an accountant. This is a comforting statistic regarding Malaysia's future Muslim accountants, considering that in Islam, objectivity is synonymous with justice and is a very important virtue: **O you who have believed, be persistently standing firm for Allah , witnesses in justice, and do not let the hatred of a people prevent you from being just. Be just; that is nearer to righteousness. And fear Allah ; indeed, Allah is Acquainted with what you do (Al-Maidah: 8).**

Scenario 8: Confidentiality

Table 13: Confidentiality

	Frequency	Percent	Valid Percent	Cumulative Percent
0	38	52.8	52.8	52.8
Valid 1	34	47.2	47.2	100.0
Total	72	100.0	100.0	

Table 13 above reveals that only 47.2% of the students correctly resolved this scenario, earning them a "D" grade which is regarded as "poor". The scenario was designed to test the students' understanding regarding the limits of confidentiality as Muslim accountants. As Muslim accountants, we are bound to keep the secrets of the company as long as their actions are good; once they venture into systematic evil (cooking the books in this scenario), our loyalty ends and we have to become whistleblowers so as to safeguard the rest of society from the evil consequences of the company's actions: "... **And cooperate in**

righteousness and piety, but do not cooperate in sin and aggression. And fear Allah ; indeed, Allah is severe in penalty" (Al-Maidah: 2). IIUM's accounting department should ensure that students understand that their loyalty as accountants is first and foremost to their Creator; Company actions done in line with His commands are protected, whilst those that continually violate His commands and harm society, are exposed: **"You are the best nation produced [as an example] for mankind. You enjoin what is right and forbid what is wrong and believe in Allah" (Ali-Imran: 110).**

Scenario 9: Final Decision

Table 14: Final Choice

	Frequency	Percent	Valid Percent	Cumulative Percent
0	36	50.0	50.0	50.0
Valid 1	36	50.0	50.0	100.0
Total	72	100.0	100.0	

Table 14 above shows that exactly 50% of the students correctly resolved this scenario, thus earning a "quite satisfactory" grade of "C-". The students were asked if they would still work in the company considering their experiences in all the previous scenarios. The students who successfully resolved this scenario understood that as Muslims, we are not allowed to stay in an environment where evil activities are predominant. The following verse explains this fact: **And it has already been revealed to you in the Book (this Quran) that when you hear the Verses of Allah being denied and mocked at, then sit not with them, until they engage in a talk other than that; (but if you stayed with them) certainly in that case you would be like them. Surely, Allah will collect the hypocrites and disbelievers all together in Hell" (An-Nisa: 140).** As-Sa'di, the renowned commentator of the Noble Quran, explains this verse as follows: "That is, if you sit with them in the situation mentioned then you are like them, because you have approved of their disbelief and mockery, and the one who approves of sin is like the one who does it. The point is that the one who attends a gathering in which Allah is disobeyed has an individual obligation to denounce them, if he is able to do so, or to get up and leave, if he is not able to denounce it" (*Tafseer As-Sa'idi*, p210). The accounting department at IIUM must make significant efforts to instill in their students the fact that as Muslim accountants, it is not permissible to stay in an organization that continually violates

Allah's commands in its activities. This toxic environment degrades a person's faith and endangers his success in this life and the next.

Conclusion

Two decades of financial scandals have seriously damaged the credibility of accountants as guardians of financial information. To repair this credibility, universities have been identified as crucial to the development of morally competent accountants for the future. In 2012, the Malaysian government joined this crusade through the release of a blueprint to revolutionize the Malaysian educational system. One of the key mandates of this blueprint is for Malaysian educational institutions to produce morally competent professionals. This study sought to assess the progress of Malaysian universities in meeting this important mandate by evaluating the moral competencies of final-year accounting students enrolled at the International Islamic University Malaysia (IIUM).

As IIUM is an Islamic university, and all its final-year students are Muslims, an instrument was developed through a collaboration with Islamic accounting and Fiqh Muamalat scholars to measure the moral competencies of these students from a wholly Islamic perspective. Islam's two primary sources of guidance, The Noble Quran and Sunnah were relied upon to develop this instrument. The instrument called Muslim Accountant Moral Competency Test (MAMOC) contains ethical scenarios to measure nine qualities required for a morally competent Muslim accountant; 72 out of 90 enrolled final-year students were surveyed using MAMOC.

The results of the survey revealed that according to IIUM's own grading system, the current crop of final-year accounting students were not morally competent enough to deal with the inevitable moral dilemmas they would face in the work place. The students were particularly weak regarding selecting an Islamically-appropriate place to work as well as in being diligent when discharging their accounting duties. On the bright side, the students showed a very clear understanding of the importance of being trustworthy and objective as professional accountants.

This implications of these results is that at the moment, IIUM's accounting department is not meeting the government's mandate to produce morally competent professionals. The department has to re-examine its current curriculum as to its ethics coverage, particularly regarding qualities that the students scored very low on. The department has as its stated mission the production of accounting graduates "who are professional competent and observe ethical norms in their conduct" (Bachelor of accounting

programme description, n.d.). It must make sure it does all it can to fulfill this noble mission.

This study has a few limitations which restricts the generalizability of its results. Firstly, it only examines final-year accounting students enrolled at one university, IIUM. The results are thus peculiar to IIUM and are not representative of other Malaysian universities. There is a need to conduct similar studies in other universities to provide a clear picture on how well the government's mandate of producing morally competent future accountants is been met. Additionally, a longitudinal study which measures the moral development of accounting students as they progress through the university would present a better picture of the impact that the university has on the students' moral competencies.

Another limitation of the study is the fact that although the students' moral competencies have been assessed from an Islamic perspective, the Malaysia Institute of Accountants (MIA) requires Malaysian accountants to follow the code of conduct developed by the International Federation of Accountants (IFAC). What this implies is that Malaysian accountants are not held accountable from a wholly Islamic perspective, but from a Western perspective which does not holistically cover the moral issues that a Muslim accountant faces. Future research needs to address this deficiency by conducting interviews with MIA officials regarding the possibility of enhancing the current code of conduct so as to capture missing Islamic elements.

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