Tahfidz Al-Qur'an: A Study of Learning Management Systems in Higher Education

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Abstract:
This study aims to analyze the implementation, evaluation, and management of the tahfidz Al-Qur'an program at Ma'had Al-Jami'ah from the State Islamic University of Sultan Thaha Saifuddin Jambi. The method used in this research is qualitative with a descriptive analysis method. Interviews were conducted directly with the leaders of Ma'had, the tahfidz division, and the mudabbir. The results showed that the management of the Tahfidz Al-Qur'an Program at Ma'had Al-Jami'ah was running well. This program was implemented thanks to the collaboration between the academic community and a facilitator called Mudabbir, who is responsible for optimizing the process of memorizing the Qur'an, and providing a greater understanding of the importance of memorizing the Qur'an for students by adjusting the components of planning, organizing, implementing, and evaluation of the Tahfidz Al-Qur'an Program. Ma'had Al-jami'ah continues to make adjustments to improve the quality of graduates and equip them with a deep understanding of the meaning of the Qur'an to increase students' faith and piety.

Keywords: Learning Management, Al-Qur'an, Tahfidz, Ma'had Al-Jami'ah

Abstrak:
Penelitian ini bertujuan untuk menganalisis tentang pelaksanaan, evaluasi dan pengelolaan program tahfidz Al-qur'an di Ma'had Al-Jami'ah dari Universitas Islam Negeri Sultan Thaha Saifuddin Jambi. Metode yang digunakan dalam penelitian ini yaitu kualitatif dengan metode analisis deskriptif. Wawancara dilakukan secara langsung terhadap Pimpinan Ma'had, devisi tahfidz dan mudabbir. Hasil penelitian menunjukkan bahwa pengelolaan Program Tahfidz Al-Qur'an di Ma'had Al-Jami'ah sudah berjalan dengan baik. Program ini terselenggara berkat kerjasama antara civitas akademika dengan fasilitator yang disebut Mudabbir yang bertanggung jawab untuk mengoptimalkan proses menghafal Al-Qur'an, dan memberikan pemahaman yang lebih besar tentang pentingnya menghafal Al-Qur'an bagi mahasantri dengan penyesuaian komponen perencanaan, pengorganisasian, implementasi dan evaluasi Program Tahfidz Al-qur'an. Ma'had Al-jami'ah terus melakukan penyesuaian untuk meningkatkan kualitas lulusan dan membekali mereka dengan pemahaman yang mendalam tentang makna Al-Qur'an sehingga dapat meningkatkan keimanan dan ketaqwaan mahasiswa.

Kata Kunci: Manajemen Pembelajaran, Al-Qur'an, Tahfidz, Ma'had Al-Jami'ah
INTRODUCTION

Tahfidz Al-Qur'an comes from Arabic, consisting of two words: Tahfidz and Al-Qur'an. Generally, Tahfidz is defined as the process of memorizing and repeating a lesson to maintain the purity of knowledge from change and falsification (Purwadarminta, 1996). Al-Qur'an is interpreted as a Holy Book that contains the words of God to be a guide for people who has faith and piety (Fachrudin, 2019). Al-Qur'an is Kalamullah which was revealed to the Prophet Muhammad through the Angel Gabriel, written in the Mushaf, narrated in Mutawatir, becomes worship for those who read it, and begins with Surah Al-Fatihah and ends with Surah An-Nas (Purba, 2016).

Therefore, it can be concluded that Tahfidz Al-Qur'an is the process of memorizing Al-Qur'an to preserve the purity of the Book to be protected from the threat of destruction, alteration, or falsification. In addition, Zen (2013) stated that to maintain the purity of the Al-Qur'an from changes in meaning and falsification and the forgetfulness of the Al-Qur'an, it is necessary to protect, maintain, maintain, and maintain preserve it.

Memorizing Al-Qur'an is not difficult to apply in daily life. Since Al-Qur'an was revealed, many people have memorized the Holy Book using various methods to make it easier to succeed in memorizing the Al-Qur'an itself (Meirani et al., 2020). Furthermore, memorizing the Al-Qur'an itself is considered an Islamic tradition that has been practiced until now (Fachrudin, 2019). Additionally, an activity can be carried out effectively and successfully if it follows the stated objectives, so there is a need for management in an activity. Management is defined as a process to achieve the goals of an organization or individual by involving resources effectively. Management can also be defined as a series of activities that require direction or guidance in a group of people or organizations to achieve goals or objectives (Ambarita, 2016). In order to be able to achieve the goals, managers of a program play a significant role during its journey (Dian & Fikri, 2018).

Moreover, program management is a process of planning and organizing human resources and other resources to implement a policy to achieve the goals determined through labor division (Wajdi, 2008). The process itself relatively is in a long period and involves a group of people. The Tahfidz Al-Qur'an program management cannot be separated from management functions, including planning, organizing, motivating, monitoring, and evaluating programs (Suryana et al., 2018).

Nowadays, the activity of memorizing Al-Qur'an continually increases along with the Muslims' understanding of the importance of preserving the Holy Book (Ismail & Muhid, 2020). It can be displayed by the enhanced number of youths becoming the candidate of "guardians" or "memorizers" Al-Qur'an (Hafidz and Hafidza) and the number of Islamic educational institutions that implement the Tahfidz Al-Qur'an program (Wahyuni & Syahid, 2019). Some institutions include this program in the curriculum (Kosim et al., 2019), and the implementation of this program can be found in some early childhood institutions (Prathiwi & Syamsudin, 2020). This phenomenon is supported by the benefits of the quality tahfidz program (Wahyuningsih et al., 2020).
One of the institutions is Ma'had Al-Jami'ah in Universitas Islam Negeri Sulthan Thaha Saifuddin Jambi which added the Tahfidz Al-Qur'an curriculum as a prime program to maintain balance and harmony between the demands of globalization and the principles of religious teachings. In 2010, Ma'had Al-Jami'ah had built with the sole purpose to help new year undergraduate students to have a deeper understanding of Islam and to facilitate them to be able to read the holy Qur'an with high proficiency and even able to memorize some of the parts or the whole Qur'an. According to Afandi (2019), Ma'had Al-Jamiah allows students to build strong praying habits and practice Islam’s beauty in their daily lives.

On the contrary, the obstacles students face in the program are diverse (Al-Lahim, 2019). For instance, the instability of student motivation to complete the program and the lack of external support to maintain their consistency in preserving and gaining their recitation (Amir et al., 2021). Therefore, Ma'had al-Jami'ah developed a pattern in managing the Tahfidz Al-Qur'an program, directly coordinated by the Tahfidz unit. The experts created a group system (talaqqi) according to the ability of the students based on the results of the placement test at new students' entrance. As the apparent impact of the program, many of the undergraduates, not alumni of Islamic boarding school, can read, memorize, and apply the essence of the Qur'an in their daily life.

Based on the explanation above, the researchers would like to investigate further the management of the Tahfidz Al-Qur'an program at Ma'had Al-Jami'ah in Universitas Islam Negeri Sulthan Thaha Saifuddin Jambi.

RESEARCH METHODS

In this study, the researchers used a qualitative research approach. Qualitative research intends to study the current phenomenon experienced by the research subject, for instance, behavior, perception, motivation, action, and others. The research was implemented holistically and displayed in descriptive analysis in a natural context by utilizing various scientific methods (Creswell, 2019). Researchers attempted to use a qualitative approach to obtain data, facts, and symptoms that occurred at UPTD Ma'had Al-Jami'ah in Universitas Islam Negeri Sulthan Thaha Saifuddin Jambi. Data resource allows a researcher to obtain information needed for a study, both primary and secondary data. In this study, the researchers extracted data using the methods of observation, interviews, and documentation, which were divided into two groups of samples. The primary sample is the Head Office of UPTD Ma'had Al-Jami'ah as the leader in the Management of the Al-Qur'an Tahfidz Program. Then, Ma'had Al-Jami'ah staff as supporting samples. Meanwhile, documentation is required and can be found in libraries, bookstores, personal libraries, online libraries, and other scientific writings available online on the internet.

RESULTS AND DISCUSSION

Management Strategy for Tahfidz Al-Qur'an Program at Ma'had Al-Jami’ah State Islamic University of Sulthan Thaha Saifuddin Jambi

Management is a series of effective and efficient activities to achieve goals in utilizing all limited resources (Shofwan & Kuntoro, 2014). In order to
achieve the goals, the management process requires strategic planning – a process of selecting and establishing a path for the organization by deciding what to do, how to do it, and by whom (Ushansyah, 2017). The Ma'had Al-Jami'ah management committee is a group of dedicated people who have extended Islamic religious knowledge and management skills. The committee has been appointed directly by the president of State Islamic University Sulthan Thaha Saifuddin Jambi through a rector decree, responsible for achieving Ma'had Al-Jami'ah, including deepening knowledge and understanding of the meaning of the Al-Qur'an and hadith correctly and adequately.

The data show that the management of the Tahfidz Al-Qur'an Program at Ma'had Al-Jami'ah has been run well. The program operates through the collaboration between the academic committee of State Islamic University Sulthan Thaha Saifuddin Jambi and the facilitators called Mudabbir. These Mudabbir are responsible for improving the Al-Qur'an reading ability of the students, optimizing the Al-Qur'an memorization process, and providing a greater understanding of Islam.

The tahfidz Al-Qur'an program is a structured activity carried out by an educational institution to produce students who can memorize, understand, and practice the contents of the Qur'an (Muntiarti et al., 2020). Therefore, the Tahfidz Al-Qur'an Program committee at Ma'ad Al-Jami'ah applies various strategies in the implementation process. The strategies in managing the tahfidz Al-Qur'an program at Ma'had Al-Jami'ah sequentially are placement tests, student grouping, Qiro'aty, and memorization.

In the placement test process, the committee measures the level of student ability to read, memorize, and understand the Al-Qur'an that is carried out at the beginning of the registration process. The results of this test become a reference in the arrangement process of students based on their essential ability toward the Al-Qur'an. The following process is grouping students based on the placement test results. This process aims to make it easy for the program managers to utilize the appropriate approach to optimally improve the students' ability to read, memorize, and understand the Al-Qur'an.

After all of the students divide into groups, Qiro'aty is implemented. It has the sole purpose of training new students to read the Al-Qur'an correctly and adequately. This learning process can build a foundation or strengthen the knowledge base in reading the Qur'an for students (Meirani et al., 2020). The final process is memorization. It is the main goal of the Tahifdz Al-Qur'an Program at Ma'ad Al-Jami'ah. The implementation of this strategy is very much based on the results of Qiro'aty. When students have been able to read the Al-Qur'an correctly and adequately, it is hoped that they will be able to memorize the contents of the Al-Qur'an, which have been set as obligations for students at the end of each semester.

**Process of Managing the Tahfidz Al-Qur'an Program at Ma'ad Al-Jami'ah**

Specifically, the tahfidz Al-Qur'an program management at Ma'had Al-Jami'ah comprises four processes: planning, organizing, implementing, and evaluating. Based on the findings, in-depth, the management process is as follows;
Planning
Planning is a decision-making process that contains facts, assumptions, and assigned activities that will be carried out in the future (Kaufman, 2019; Karadeniz et al., 2021). Additionally, successful planning has crystal clear goals and the ways to accomplish them (Stoner, 1993). The design of the Tahfidz implementation system is tangible evidence of the plans that have been made. As the head of Ma'had Al-Jamiah mentioned, "Everything we do is based on the initial plan; we hope that we can help students to be able to memorize the Qur'an and to have a proper example of an excellent Muslim."

Based on the findings in the field, it can be seen that the design of the Tahfidz implementation system at Ma'had Al-Jami'ah of State Islamic University Sulthan Thaha Saifuddin Jambi is under the existing planning. In the design of the Tahfidz implementation system, it is not only to gain experience on how to memorize quickly and knowledge related to the Qur'an (tajwid science) but is also expected to be able to improve morals towards the Qur'an and morality when it has become a memorizer of the Qur'an.

Every program management requires excellent leadership and a creative facilitator to bring the program to its destined purposes (Bush et al., 2010). To create an effective management pattern in reading, memorizing, and understanding the Qur'an, the tahfidz Al-Qur'an program at Ma'ah Al-Jamiah State Islamic University of Sulthan Thaha Saifuddin Jambi is continuously making adjustments to improve the quality of graduates and equip them with a deep understanding of the meaning of the Qur'an to foster the stability of faith and piety.

As a result, within a year in the tahfidz Al-Qur'an program, students can read the Qur'an correctly and adequately. Additionally, students can memorize parts of the Qur'an and even the whole. In addition to being suitable for the students themselves, this program also has a broad impact as the alumni bring goodness and develop harmony for the society. In the case of the tahfidz Al-Qur'an program by Ma'ad Al-Jami'ah, the process in the planning stage is divided into five:

Preparing Muhafidz and Mudabbir as Musami'
In finding out about the first step of planning at Ma'had Al-Jamiah, the authors interviewed the managers and teachers. The head of Ma'had Al-Jamiah mentioned, "When we are doing the process of recruitment of the Muhafidz, we prioritize our best alumni. We chose our alumni because of their competencies and understanding of the program itself. The planning process is the main key to getting the best teacher, and the recruitment process is also a part of the program's success. The Muhafidz and Mudabbir were equipped with an understanding of the Al-Quran. Ma'had Al-Jami'ah is the center for students learning, and being the Tahfidz Al-Quran, we can be certain of reading, memorizing, and understanding the Al-Qur'an properly and correctly. This can be achieved by doing it with a mature process so that Ma'had Al-Jami'ah can produce competent graduates in the community."

Based on the narrative, the first stage in the planning process for the tahfidz Al-Qur'an program at Ma'ad Al-Jami'ah is to appoint the best Muhafidz
and Mudabbir to be able to carry out responsibilities as musami'. The selection process prioritizes the alumni of Ma'ad Al-Jami'ah graduates themselves. This choice is based on the alumni's understanding and experiences with implementing the tahfidz Al-Qur'an program at Ma'ad Al-Jami'ah; the committee also knows the competence of the alumni. This application is related to the findings of Qorni & Mujahidin (2021); the accomplishment of the tahfidz Al-Qur'an program results from a combination of excellent management and the sincerity of the people responsible for the quality feedback of the students.

**Formation of Student Group**

The data in the field shows that, after the muhafidz and mudabbir have been appointed and ready to carry out their duties, the students are divided into several groups to maximize the learning process and memorizing the Qur'an. The groups are arranged based on the placement test results carried out in the registration process.

According to the head of Ma'had Al-Jamiah, "Preparation takes much energy and effort, good teaching is giving instruction, making students understand in order to learn the parts or the whole Qur'an with high proficiency, so we make a sort of formulation to divided them into several criteria and categories to expedite the learning process. The criteria for the group are based on; the level of eloquence, recitation, and memorization. These criteria allow muhafidz and mudabbir to adjust the appropriate approach to bring students to achieve predetermined graduate competencies."

The narrative above relates to Sathiya Priya & Shilaja, (2016), the group formulation for students is one of the most effective methods to develop students' learning process. This theory supports the statements of the Ma'had Al-Jamiah head by implying that students in-group can achieve more than students who learn alone. The findings reveal that the group that has not been able to read the Qur'an correctly and adequately is given guidance by muhafidz and mudabbir using the Qiro'aty or Iqra' method. Meanwhile, groups that have been able to read Al-Qur'an properly and correctly are required to be able to memorize the 30th juz or the last juz of the Qur'an to the selected surah determined by the Tahfidz program management unit. The last group, for those who have been able to memorize the last juz of the Al-Qur'an up to a specific surah and have the motivation to memorize the Qur'an in its entirety, will be given further guidance, which includes the interpretation and meaning of each verse in the memorized surah.

**Formulation of the Tahfidz Implementation Schedule**

Formulation of the schedule for implementing tahfidz in Ma'had Al-Jami'ah under the auspices of the academic section. In this case, the academic division is entirely left to the tahfidz division to formulate an implementation schedule for students for a year or two semesters. In this case, the tahfidz division cooperates with the mudabbir of the ta'lim section to formulate an implementation schedule through regular weekly meetings held by the management of Ma'had Al-Jami'ah.
The head of Ma’had Al-Jamiah said, "The technical steps or steps in learning Tahfidz Al-Quran are the teachers in sitting state saying greetings to students who are also in a neat sitting state. Students are grouped based on the achievement of their respective memorization, not based on class. Formulating the schedule for implementing tahfidz in Ma’had Al-Jami’ah for students, the tahfidz division, and the ta’lim management section make a group system called Talaqqi, according to the ability of students based on the results of the placement test. We do the teaching-learning process on Tuesday, Thursday, and Saturday. The specific time is after the prayer of Maghrib and Fajr."

The implementation schedule is determined after Maghrib prayer and after Fajr prayer. It runs three times a week, held on Tuesday, Thursday, and Saturday considering the density of student learning activities both at Ma’had Al-Jami’ah and student learning activities on campus. The data showed that the schedule formulation is only two times a week less than in other institutions (Barri, 2017). In formulating the implementation schedule, the tahfidz division and the field of ta’lim make groups and are guided by a mentor (musammi’) from the Ustadz, supervisors, and senior students who are capable and appointed directly by the head of the tahfidz committee.

Determination of the Location of the Tahfidz Implementation Place

As mentioned by the head of Ma’had Al-Jamiah, "We are a center of Islamic education that shapes the graduates to have a deep understanding of the Qur’an and to apply the goodness of Islam to the society. We are flexible in terms of learning location; we allow the students to visit their respected teachers. There are some places at Ma’had Al-Jamiah to learn for students such as prayer room, hall, and huts in Ma’had Al-Jamiah dormitory areas."

Based on the findings, the location for the implementation of tahfidz for students was allocated at their respective ustadz. In addition, for mudabbir who are appointed as musamii in implementing tahfidz mahasantri, the tahfidz is carried out in the Ma’had Al-Jami’ah dormitory area utilizing the prayer room, hall, and huts in the Ma’had Al-Jami’ah dormitory areas.

Additionally, one of the Ma’had Al-Jamiah staff mentioned, "We do the learning outside the dormitory because we need to create a conducive learning process. We hope students can take in the materials or memorization of Qu’ran more optimal than inside the classroom." The determination of the location of the Tahfidz is flexible to accommodate better learning and memorizing experiences.

Organizing

Organizing is a management function seen as a tool used by people or members of the organization to achieve common goals effectively. In this function, people or members of the organization are united through their respective jobs whose work is interconnected with one another (Akyuni, 2018). Organizers cultivate people to act on behalf of shared values and interests, develop relationships, create understanding, and facilitate activities that enable people to understand their interests, new resources, and new capacities to use these resources on behalf of their interests (Shateri & Hayat, 2020).
As the Ma'had Al-Jamiah staff said, "We prioritize our alumni and the best graduates from Islamic boarding schools from Java and Sumatra Island in the recruitment process. We select the bilingual teachers– able to speak Arabic and English, able to memorize the last chapter or more of the Qur'an, able to spend their time and effort for the goals of the institution." Findings in the field show that at Ma'had Al-Jami'ah State Islamic University of Sultan Thaha Saifuddin Jambi, in organizing activity, it has been determined who is in charge, involving people who have expertise in their fields. Lecturers who examine the Tahfidz and Tahsin Al-Qur'an Juz 30 exams are mostly Ma'had Al-Jami'ah alumni and alumni from Al-Azhar University, Cairo, Egypt.

However, this institution still lacks people who are experts in the tahfidz Qur'an. The examiner of tahfidz itself is not a hafidz of the 30 juz of the Qur'an, but in the field of tajwid, the examiner is already known as Maher. In the memorization exam activities, the examiners very much corrected the students' wrong readings, then straightened or corrected them.

As the head of Ma'ad Al-Jamiah said, "we always assign the best teachers for our students. In terms of Al-Qur'an reading proficiency, our teachers are excellent at it. However, we need more teachers that can memorize the whole Qur'an. Our door is wide open for that kind of teacher." Based on the description, it can be formulated that the organization of the tahfidz division was carried out at the Ma'had Al-Jami'ah State Islamic University of Sultan Thaha Saifuddin Jambi based on the determination of the expected goals. However, this institution still lacks educators or examiners in tahfidz.

Implementation

Implementation of tahfidz Al-Qur'an is marked by a teaching and learning process, supervision with monitoring, student passbooks, and attending students (Fatmawati, 2019). A successful implementation includes creating a shared understanding of the concept of knowledge management, identifying the value of co-creation of the knowledge management strategy, and positioning knowledge management as a strategic focus area in the organization (Suwardi et al., 2020).

As one of the staff said, "We have a regular schedule of reading practice and memorization of the Qur'an; we do it on Tuesday, Thursday, and Saturday. Right after Fajr prayer until seven o'clock." The implementation of the Tahfidz Al-Qur'an program at Ma'ad Al-Jami'ah is an effort to carry out the planning and organization of the program to achieve the goals that have been set. Another staff mentioned, "We support our students who have limited capability in reading the Qur'an with qiroati method for three months long. The placement test results help us find out the students that require more assistance. After that, the students who completed the qiroati or were able to read the Qur'an fluently, we increase their motivation to memorize the Qur'an at least the last chapter and special surah."

Based on the findings in the field, the implementation of activities in the tahfidz Qur'an program at Ma'ad Al-Jamii'ah is carried out three times a week on predetermined days, namely Tuesday, Thursday, and Saturday. The implementation time is after every Fajr prayer until seven in the morning.
implementation process is carried out for one year, divided into two semesters. Ma’had Al-Jamiah supports maximally the student that is insufficient in reading the Qur’an with an acceleration program named qiroati so that they can read the Qur’an fluently. After they can read fluently, the teachers allow the students to memorize the Qur’an based on the standard.

**Evaluation**

Evaluation is a comparison process of what has been achieved from a program with what should have been achieved based on predetermined criteria (Muntiarti et al., 2020; Clayson, 2022). The evaluation of the tahfidz Al-Qur’an program at Ma’ad Al-Jami’ah is a reference in connecting and knowing the achievements of the design plan, organization, and implementation with the stated goals.

As the head of Ma’had Al-Jamiah mentioned, "Evaluation process is done at the end of each semester. We put strict standards to evaluate the students learning process with the expectation that Ma’had Al-Jami’ah can fulfill students’ needs of improving Qur’an reading proficiency, Qur’an memorization, Islamic daily life practice, and understanding of Islam. We give an authentic certificate to the students who passed the exam by fulfilling all the required standards. Additionally, those who failed must retake the exam until they succeed."

The data showed that the evaluation of the tahfidz program is carried out in the form of a final exam every semester. At the end of every first semester, students are required to be able to memorize Surah An-Nās (the final surah in the Qur’an) to Surah Al-A’la (the 87th surah in the Qur’an), which is also the minimum standard of achievement of the tahfidz Al-Qur’an program at Ma’ad Al-Jami’ah State Islamic University Sulthan Thaha Saifuddin Jambi.

At the end of the second semester, the minimum standard of memorization that students must fulfill starts from Surah At-Tariq (the 87th surah in the Al-Qur’an) to Surah An-Naba’ (78th surah in the Qur’an). In addition, for students who have been able to memorize the 30th juz of the Al-Qur’an, it is recommended to add memorization independently. Based on the narrative, students who successfully passed the final examination would be given a certificate of completion. However, those who failed must retake the final exam until they succeed.

**CONCLUSION**

Based on the research findings, it can be concluded that the tahfidz Al-Qur’an program at Ma’had Al-Jami’ah State Islamic University Sulthan Thaha Saifuddin Jambi manages to produce students who can memorize the Al-Qur’an. At the lowest form of the results, the program improves the Al-Qur’an reading ability of its graduates.

The management of the tahfidz Al-Qur’an program begins with strategic planning, systematic organizing, practical implementation, and strict evaluating processes. All of these strategies and efforts execute to achieve the program’s sole purpose, provide a greater understanding of Islam, build Islamic character, and grow the habit of reading and memorizing the Al-Qur’an.
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REFERENCES


