The Application of Local Culture and Science-Based Islam Religious Education Curriculum at Schools and Madrasa

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Abstract

This research studies a pattern through the application of science and culture-based Islamic Education at schools and madrasa. This research refers to an application based on natural science related to local culture in Indonesia by giving priority to the values in Islam. This research aims to search for and research applied science by pairing or linking it with the culture of Indonesia. It is research about the application in the learning process in which the scope discusses the science of local culture by prioritizing an approach to Islamic values. In the process, this research is not directing the learning of Islamic Religious Education in the realm of qualitative and quantitative or merging, but this learning can use one or even both in the learning methodology. The results of this study explain that the application of learning that leads to science and refers to Indonesian culture by looking at Islamic values. It can be referred to as observations of habits taught and practiced in the learning Islamic Religious process activities in schools and madrasa.

Keywords: Culture; Islamic Religious Education; Schools; Madrasa

Introduction

Islam is a religion that was sent by Allah SWT through obedient and trusted angels their duties (Firman Mansir et al., 2020). One of them was Gabriel who was tasked with conveying revelation to Allah's chosen creatures. In the process, Allah SWT revealed Islam through the intermediary of the Prophet Muhammad who was a creature of His creation which was very noble and very beloved (Wahidin, 2018). Related to education, Islam is also encouraged and instructed to provide an insight and knowledge horizon about various sources of knowledge which explore Islam. As the Prophet Muhammad (PBUH) was sent by Allah SWT to give the symbols of Islam and justify the life that was previously said to be very far from the right life, even the teachings that accuse the ummah/people were very large and could not be overcome (Hariri & Mulyani, 2016).

The application is a step, action, or proof of conducting each activity that will be able to be seen and felt. The application can also be interpreted as a habit of doing things to produce an experience obtained and will produce a change (Mubah, 2011). Learning can be defined as an activity carried out by an educator whose aim is to provide supplemental knowledge that has not been obtained by their students (Raehang, 2014). Learning is a plan which will be processed using models and strategies that have been prepared and later there will be evidence of the results that have been implemented. This process cannot be separated from the process of good interactions between educators and students (Fakhurrusi, 2018).

Indonesia has natural wonders which are very pleasing in the eyes of the world. The thing which makes Indonesia part of a country in the world and the country that has the most islands in the world. It can be seen that the population of Indonesia is currently not only indigenous people but various races and descendants from various parts of the world in this Indonesian country. Thus, Indonesia has a motto that is on the Garuda bird symbol which is a mascot or symbol of the greatness of the Republic of Indonesia. It is
Unity in Diversity. it remains different. It is a foundation and also a passion for the people of Indonesia to respect each other and also most importantly respect each other. Because Allah, the Most Powerful, is the one who owns and created the earth and also the planets that are in outer space. And Allah gives the human mind and heart to always carry out and remember the commands that Allah suggests and His commands through the intermediaries of the Prophet Muhammad.

Indonesian native culture is the initial history. It was brought up in the past and had existed since the ancestral era (Fajrussalam et al., 2020). They lived in various ways and various thoughts to live their own lives. Culture in Indonesia has entered the era of globalization (Mansir, 2020). In this era, the original Indonesian culture from the days of ancestors will be lost and even taken by other countries over time. This native Indonesian wisdom is a source and reference in education as well as to achieve the image and intelligence of children by promoting moral values, culture, customs, traditions, traditions from each area they live in, religion, art, and history. In formal education, for example, in schools under the Department of Education, or informal education, for example, foundations or educational institutions that are brought under the auspices of groups or private local wisdom also enter into the education material or its daily activities at school (Suastra, 2010). Therefore, it can be concluded that the tradition is already inherent and already exists within the community itself. Furthermore, it is already a belief and habit of the community itself. Therefore, a society that has noble ethics and character must be able to provide a sense of security and peace and uphold the values of brotherhood and good solidarity between communities that have expanded and prioritized the cultural and social order.

Therefore, the learning of Islamic Religious Education so far in schools and madrassas has only focused on normative issues, which focus on halal and haram, dos and don'ts, compulsory worship and sunnah worship. Meanwhile, the dynamics of religious issues are increasingly having diversity and are faced directly by students. So it needs a new concept and a breakthrough in contextual Islamic thought. Thus, it is expected that students who study Islamic Religious Education, both in schools and madrassas are able to face the challenges of current religious issues. Understanding local culture is one of the keys and guidelines that can be passed on to students to be able to understand Islamic Religious Education learning more contextually and adapt to the local culture where the student stay.

Methods
This research is qualitative research using collecting data methods through observation or direct observation (Creswell et al., 2007). This research was conducted in schools and madrasahs in Yogyakarta. The research time was carried out for one month. As for the number of schools, there are four, two public schools and two madrasas. The method of selecting schools as informants randomly consists of representatives of public schools and madrasahs. Both public schools and madrasahs are very representative sources of information because of the large number of students and popular in Yogyakarta.

In addition, to add more accurate data, the researcher uses interviews with several teachers who had been previously appointed to be resource persons. The interviews used are infinite and cutting edge, wherein this interview combines unlimited interviews with cutting-edge interviews (Clark et al., 2008). Thus, the use of methods by combining the two is done by the method of taking instruments or data using guidelines from existing interviews. In conducting data retrieval, the researcher makes a design and questionnaire. The researcher tries to find and explore a more detailed and clear information (Creswell
et al., 2007). Thus, the thesis preparation process can be neatly organized and effective. The technique taken and used by researchers in the data collection process is conducting interviews with predetermined informants. In analyzing this data, the researcher uses various methods which will be used to be a way that suits the desired fatigue. Data have been collected and made into one. Furthermore, it is managing data and analyzing data that has been collected at the time of taking data. The initial step that must be done in analyzing data is to do the coding. Coding is the most basic step to operationalize data analysis which leads to qualitative research. Until this coding stage, the field data that had previously been taken were collected by each discussion.

Result and Discussions

The way to coordinate and manage time for each activity, either in making the process of the work program or mastering in dealing with students is seen from arranged personality and life of the educator. Students will be able to feel and assess what has been obtained during their students studying in the school (Fakhrurrazi, 2018). Science is generated from the word scientia which means "I know". Listed in the English Dictionary, the word science is the science of horizon African(Afrian et al., 2020). Science can be concluded that the knowledge that studies and studies deeper by looking at the causes that are the point of the problem and also the effects of problems that occur in nature that God created. The science that explores and discusses science in the field of nature has a unity by searching for a source point about nature objectively. Therefore, science is not only a regulator and not only a point of discussion that is only focused on knowledge that consists of structured concepts, facts, or clear principles. It is the core of an action in the discovery.

The science which studies nature is thoughts and mastery of the material conveyed by humans through communication interactions that will produce data and capital to be used as research material. It is visiting the place that will be used as an object of research objectives and also a place to do a new creation in an orderly manner, as well as must include material used as a binder and reinforcement of the results of the research, such as legal matters, principles, rules, hypotheses, and theories (Arifin et al., 2018). Natural Sciences is a science that leads more on knowledge about nature and focuses on the material point of the discussion by looking at how the process occurs in every natural phenomenon that occurs. Science is explained as a control tool that aims to further examine and explore the nature of the universe. The aims of the science learning process are expected to become a place for students in learning about themselves and the nature that is around them by having a target to see the development of students in carrying out daily activities. Studying scientific literacy is also an ability to use scientific sources of knowledge, study questions and provide attraction concluding based on concrete facts and clear and complete data, interpreting every event in the universe and also making decisions from the impact of problems and events which occurs because of activities carried out by humans (Nasir, 2021).

The world sees Indonesia as a country that has the most islands in the world located in ASEAN/Southeast Asia. Indonesia has 17,508 islands stretching in Indonesia with a total area of Indonesian islands is 1,904,569 km². Indonesia is a very unique country and has its characteristics. Indonesia has main islands such as Papua, Sulawesi, Kalimantan, Sumatra, and Java. Called the Largest Islands Country in the world, Indonesia is one of the hundreds of countries in the world that has the longest coastline in the world. Indonesia is a country that was destined and created by Allah, the Creator, and Everything. It can be seen with concrete evidence that Allah gave a very beautiful and very amazing creation to humans that Allah was destined to descend on earth. Indonesia
is a maritime country. It is seen from its many and very rich natural ecosystems. It can be seen from the early history of the formation of Indonesia. Indonesia was a country that was colonized, oppressed, and deprived of abundant natural resources and even the original Indonesian people became slaves or workers for the Dutch, Japanese, and Portuguese colonizers. How rich Indonesia was until even a foreign country dared to come and set foot on Indonesian soil to intend to have rights and authority in matters that included economics, politics, and law at the time (Rosala & Budiman, 2020).

Indonesia is a million colors and millions of souls because it has various kinds of types of religions, ethnicity, race, language, and culture (Salam, 2018). With the added charm of the universe in Indonesia, it becomes a benefit for the Indonesian state. Studying science is more directed at the desire to achieve understanding and mastery in the field of science or can hold on to certain concepts. Thus, students can remember and digest the concepts which are in science. However, it cannot be used to apply every concept which has been learned in dealing with every problem in life itself. Thus, the learning process emphasizes the mastery of one of the concepts of the many concepts of science. It will cause students to experience the processing of material that is critically underdeveloped and not optimal. Furthermore, an evaluation of learning will be carried out to be able to see whether there are obstacles and problems or it is fine without any obstacles.

Culture and the process of learning are two things that are very related and can’t be separated. Due to its association with culture, it is very supportive of the process of learning activities. If science learning that is carried out at school ignores and does not see the culture for students, the consequences will be that students want to choose to reject or accept some forms and concepts of science that will be continued and improved in the learning (Mansir, 2020). The step to internalize one of the cultures raised in learning is one of the tactics in planning to improve the quality and creativity of students' thinking using a detailed approach as a design of the learning process associated with knowledge and sources by the real world (Elyas & Picard, 2010). Thus, students can conduct relationships in order with the knowledge gained. The plan tactics that have been designed will provide a sense and experience in developing creativity, for example in using the brain to think clearly and critically (Huda et al., 2020).

Therefore, the learning model used and provided for the learning process is Fostered inquiry as a model in the learning process which puts forward the search program and explains the relationship between objects and circumstances (Halik, 2016). The form of guided inquiry learning is motivating students to investigate existing problems by using scientific skills to find explanations so that they can help students become more independent and responsible. Students will be excited when they learn to open up and get things by themselves, compared to listening to what the teacher says. They learn to do activities with their autonomy and become an inner-directed person. Students learn to manipulate their environment more actively.

In learning and teaching activities, the role of the teacher as a guide is by giving direction if it is needed (Mansir, 2020). As long as students do not need help, students are allowed to work in their study groups independently. In this learning, students are trained to develop facts, develop concepts, and general conclusions or theories which explain phenomena that cultivate creativity and innovation in scientific discovery in English, it is said to be a scientific inquiry for students. The scope of this learning practice will certainly make students motivated to learn, because, in learning activities, they can learn to find something by themselves. Thus, the learning process will be more meaningful for students. In addition, the existence of energy with a culture that is acquired and owned by students and the sciences that will be strengthened to be read and studied can help students to more easily understand the learning material (Tan, 2014).
In conducting science research based on local wisdom and taking in an area, the most preferred learning model to be used. By using ways to develop and explore original science, the researcher will be able to compare and also find out how much the contribution of science is by linking the original culture of Indonesia. The meaning of building and exploring this original science are concepts that have been listed and created in Western science to be rearranged. Thus they can become the basis for the assessment (Firman Mansir, 2020). In conducting research by visiting or observing this original science, it is carried out by looking at and selecting research sites or objects related to culture in Indonesian society. Therefore, it can be concluded that the learning model that links original science with local wisdom is obtained from the experience and knowledge of indigenous people or can be considered to be community leaders who understand and know the pedigree from the beginning of a cultural event that is still being implemented. The tradition of noble values is key in the order of the community in maintaining the original culture.

1. Culture-Based Islamic Education Curriculum

Curriculum and education are things that can be separated. A curriculum is a method or way to achieve educational goals (Mansir, 2020). A curriculum is a system or method of carrying out the teaching and learning process for the achievement of learning objectives. The curriculum can also be used as a benchmark for the success or failure of teaching and learning activities in schools and a measure of the quality of the learning process. In the curriculum, there is already a description of the knowledge, skills, attitudes, and values which are expected to be present in students or graduates of an educational institution. The curriculum deals with planning student activities. The curriculum was originally the term "running" in athletic language which is often referred to as current. The curriculum is then interpreted as several subjects or knowledge that students must master to get a diploma or achieve a higher level of education. It means that students are entitled to get a diploma or rise to a higher level of education when it is considered mastering the curriculum. The implementation of the curriculum in each educational institution includes 3 things which are,

a. Curriculum design,
b. Curriculum implementation,
c. Curriculum evaluation.

These three things are mandatory in every education implementation. It is to make the goal of the educational institution can be achieved. Development management of Islamic education curriculum is an elaboration and extension or refinement (Mansir, 2020). Thus, a curriculum is feasible to use and easy to understand. Learning activities in the classroom will run smoothly, conducive, interactive, innovative, and creative if based on a good curriculum. An education can work if the curriculum is a buffer that is very important in the teaching and learning process according to experts the core of an education is a good and right curriculum. The curriculum is expected to develop by the times. Curriculum relationship indirectly is very close to the community. Communities need schools and schools certainly have a curriculum that is a reference for teaching and learning. Therefore, the curriculum must refer to the original purpose of education itself. The curriculum must include increasing the potential for intelligence in everything. The unit level of education is related to KTSP (Education Unit Level Curriculum) of educational institutions and educators must be able to understand a concept and theory of development by identifying and improvising the curriculum has components which are objectives, content, or materials, methods, or ways on how to conduct teaching and
learning and evaluation. Each component is interrelated and there is an alliance between components. Therefore, we need a role from a very important curriculum below:

a. **Conservative Role**

   This role is important because a school as an educational institution can affect the behavior of students with a variety of social behaviors in the community.

b. **The Role of Critical and Evaluation**

   Besides developing culture, educational institutions can also value how to choose various cultural elements which are inherited. Thus, the curriculum must be the basis of certain criteria that exist in society.

c. **The Role of Creative**

   This role is conducted for the way to teach with learning materials delivered by educators can be understood and understood by students.

   The three roles of the curriculum must be balanced and run well so that the teaching and learning process has no obstacles encountered (Firman Mansir, 2020). The orientation of the concept of the role of the curriculum above is that the results of curriculum management must be able to produce products of thought, experience, and community needs by the demands of development and a dignified and moral culture in the social and religious values of Islam. Thus, to realize the learning of Islamic religious education based on culture, we need a curriculum development planning as follows:

a. **The Definition of Curriculum**

   A curriculum plan is a process in which students make decisions about how to achieve goals and what methods must be carried out effectively. Without curriculum planning, systematic learning experiences will not be interconnected and do not lead to expected goals.

b. **The Principle Curriculum Developing**

   Planning a curriculum principle must be based on a clear concept and a better life. In planning, it must involve several experts to obtain good learning.

c. **Function and Goal of Curriculum Plan**

   It is the process to develop a method and learning objectives to achieve the expected goals. The planning process is the intellectual process of a person in determining the direction of goals, as well as determining decisions to be realized in the form of actions or activities by observing opportunities and future-oriented which will occur.

   In organizing curriculum development, it needs forms of curriculum development including subject curriculums, curriculums with correlated subjects, correlated subject curricula, integrated curricula, and core curricula. Meanwhile, the implementation of curriculum development requires the implementation and implementation of the commitment of all parties involved in planning curriculum development. All parties must cooperate in designing curriculum development. On the evaluation side, curriculum development is very necessary for developing a curriculum. However, in conducting an evaluation, it must look at several indicators which can improve the quality of education. By evaluating the curriculum, we can find out the weaknesses of the previous curriculum, and by knowing the weaknesses of the curriculum compilers arrange how to make the curriculum better without overcoming weaknesses or losses that existed in the previous curriculum.

   In Islamic education, some principles need to pay attention to as guidelines so that the learning process will run well. In addition, to realize effective culture-based learning, these principles need to be considered (Firman Mansir, 2021). The principle of curriculum evaluation is regarding specific objectives, which are objective, comprehensive, cooperative, responsible in planning, efficient, and sustainable.
a. A certain goal means that each curriculum evaluation program must be directed towards achieving clearly and specifically determined goals.
b. Objective means giving priority to an actual situation, sourced from real and accurate data
c. Comprehensive means that all components in the curriculum must be comprehensive to be able to get the attention of experts.
d. Cooperative and Responsible in planning. In curriculum planning and development, all parties of the curriculum compilers must pay attention to the curriculum foundation and be responsible for its preparation
e. Efficiency, especially in the use of time, cost, energy, and equipment becomes supporting elements. Therefore, efforts must be made so that the evaluation results are higher or at least balanced with the costs incurred.
f. Continuously. This needs to consider the curriculum that must be by the state of the community. This is where the role of a teacher is needed to be an intermediary or bridge of knowledge for the community.

The basis of implementing curriculum development is a philosophical basis, Psychological Basis, and Socialist Basis. If we already know what is the basis of education then teaching materials can achieve the desired goals. The psychological basis is divided into two which are the science of learning and the psychology of children. This learning psychology gives students confidence in the process of how these children learn (Firman Mansir, 2020). Whereas, children's psychology develops children's talents themselves, how a curriculum can develop children's talents with the best curriculum development? Children can’t live alone. Indeed, humans need other people. Therefore, in this case, the child interacts with the surrounding community. This also needs to be considered for curriculum development

This basic thing is very important in the implementation and development of the curriculum because, without a basic curriculum, it will never be well structured. It is like the foundation of a house. If the foundation is not available, the house will collapse. If the curriculum is without a foundation then the collapse of the curriculum development system results. This can affect the quality of education in an educational institution. The curriculum is the direction in which education will be directed or what kind of education will produce. The curriculum also needs to be fostered to improve the quality of education. The curriculum is seen from the results of successful or not education. If it is not certain in a curriculum, there is something wrong with the preparation or educators are wrong in understanding a curriculum.

Conclusion

Learning Islamic Religious Education in schools and madrasahs in Yogyakarta requires a breakthrough in responding to various religious problems currently faced by students. Therefore, Islamic religious learning with a local cultural approach is very important to be actualized and integrated, so that students can be equipped to face more complex religious challenges. Therefore Islamic Religious Education with science combined with the local culture of Indonesia correlates, especially if it is added by Islamic values. Science is the knowledge that studies the process of natural phenomena occurring on this earth and explores to reveal the occurrence of phenomena contained in science by describing it through scientific methods. Associated with culture, science also includes culture in the discussion of material because culture is included in the characteristics of science. In this case, culture is a discussion of material that examines the basis of culture. For example, it can be seen as citizenship, language, and religion. Indonesia, the country which is referred to as the largest archipelago in the world, has abundant ecosystems and
natural resources, especially since the majority of people in Indonesia are Muslim. Education in Indonesia, also prioritizes moral values, noble character, and also spirituality. Therefore, those are the main keys and guidelines in the life of Indonesian people to be able to set a good and right example for all people and also can be used as a way to deliver themselves towards a bright and desirable future. By prioritizing Islamic values, it will all be well-planned.

**Daftar Pustaka**


