



Review
Article

Learning Mathematics of Hadith Integration For Build Character Students in Elementary School

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Abstract. Education has role important in to form personality and character students. However align education academic with education based on character is challenge big for teachers. Considering condition Indonesian students and teenagers who experience crisis ethics and morals. The fact is that students and teenagers often become perpetrator action criminal, immoral, abuse drugs, socializing free and other violations that are detrimental self yourself and the environment. So it is necessary existence effort in development and change curriculum in school for to plant values Islam use build character students. One of the its shape is with implement learning mathematics integration hadith. Awareness about importance planting Islamic values in particular mark hadith in build character student should become teacher priorities in learning mathematics. This is Because learning mathematics integration hadith no only know about knowledge mathematics but also get character education.

Keywords: Hadith, Integration Mathematics, Character Student.

1. Introduction

Education at the level Elementary School has role important in to form personality and character student [1]. However align education academic with education based on character is tasks and challenges big for teachers [2]. This is important done for overcome since early condition Indonesian students and teenagers who experience crisis ethics and morals [3]. moral crisis of Indonesian students and teenagers should be become attention families, teachers, government and educational institutions in charge for give education [3], [4]. In fact, in students and adolescents often become perpetrator action criminal, immoral, abuse drugs, socializing free and other violations that are detrimental society, nation and state. Even through The results of the 2021-2023 BNN survey found fact that user drugs in Indonesia touch the figure of 3.3 million people. Especially in the community students and teenagers recorded reached 1.96% ever using and the percentage of 1.87% has do usage drugs during a year. A series of notes opaque Indonesian students and teenagers if left alone will impact on future generations that are increasingly down [5].

Through case students and teenagers who have presented, necessary existence effort in development and change curriculum in school for to plant values Islam use build character student [6], [7], [8]. One of the its shape is with start integrate values religious in every lessons at the level Elementary [7], [9]. Integrating between mark Islam with eye lesson general like mathematics viewed as step strategic, as form effort real prepare generation quality, faithful, and pious. So that step internalization Islamic values especially in learning mathematics is a perfect fit for overcome the moral crisis that hit Indonesian [10], [11].

Remember importance education based on character Irmawati, and Rahma et al. [8], [12], then need existence approach creative that integrates discipline knowledge mathematics with religious [13]. This done for print generation gold which is not only rich in competence and knowledge, but also have character that reflects good person, pious

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as well as in line with Pancasila and the 1945 Constitution [14], [15]. One of the approaches that can be done is with integrate values hadith to in learning mathematics [16], [17].

Internalization mark hadith to student in learning mathematics can be done with apply integrated learning with hadith [13]. In the implementation learning this teacher relates between material mathematics with the sunnah carried out by the Prophet Muhammad SAW [18]. Apart from that, learning integrated this student not only taught draft mathematics, but also education Islam which contains mark religious who can build character students, as well as can be applied in life daily [19]. Awareness about importance planting Islamic values in particular mark hadith in build character student should become teacher priorities in learning mathematics [1], [17]. So teachers must make an effort for study innovating learning models the usual conventional done [20]. In the study this will be described about how learning mathematics integration hadith in overcome moral crisis and building character students in Elementary School.

2. Methods

Study This done through method descriptive with study literature. Type of literature used as reference among other reports results study previous articles, theses, books and sources relevant others. In the research This source main adopted is related literature close with context research that will be done, namely learning mathematics integration hadith and its relation with the impact caused in build character students. Some article that became reference study This described as following:

Table 1. Literature About Learning Mathematics of Hadith Integration and Its Relation with Student Character

No	Title (Author)	Year
1	Number fraction in the Koran and Hadith (Abdul Hapiz, Moh. Afifuddin, Hurriyatul Annisa, Abdussakir and Imam Rofiki)	2019
2	The Influence of Teaching Materials on Basic Mathematics Concepts Based on Internalization of Islamic Values Towards Attitude Religious. Journal of Teacher Studies and Learning (Nuhyal Ulia, Yunita Sari, Mohamad Hariyono)	2020
3	Number Fractions and Their Operations in Hadith (Dewi Rosikhoh & Abdussakir)	2021
4	Integration of Islamic Values in Learning Mathematics in Elementary Madrasah (Maya Nurjanah)	
5	Integration of Islamic Values in Learning Mathematics As Form Strengthening the Character of Students (Muh. Fitrah, Dedi Kusnadi)	2022
6	Implementation Operation Count in Hadith and its Implications for Learning Mathematics (M. Gunawan Supiarmo)	
7	Integration of Islamic Values in Mathematics Learning in Class IV Students of Madrasah Ibtidaiyah (Indri Mahmudah and Muqowim Muqowim)	
8	Learning Mathematics Integrating Islamic Values in the Formation of Student Character (Ida Hamidah and Susilawati)	2023
9	Strengthening Attitude Religious Student Through Learning Mathematics Loaded with Islamic Values ((M. Aditya Silvatama, Novianti Nur Kamila, Arif Wijayanto, Ervana Sari, and Mohammad Kholil)	
10	<i>Designing learning trajectory based on Qur'an and Hadith</i> (Dewi Rosikhoh, Abdussakir, Fawad Ali, and M. Islahul Believer)	2024
11	<i>Character Building Education Generation Superior Integrity</i> . PT. Sonpedia Publishing Indonesia (Raharjo, Eka Jayadiputra, Liza Husnita, Kusman Rukmana, Yanti Sri Wahyuni, Nurbayani, Salamah, Sarbaitinil, Ranti Nazmi, Djakariah, Mahdi)	
12	Learning Integration Mathematics (Number Material Fraction and Expenditure of Zakat Mal According to Islam) (Hurriyatul annisa, Moh. Miftakul Ulum, Muhammad Hasan Asnawi, and Nur Laili Arofah)	

- 1 Integration of Islamic Values in Learning Mathematics at the Elementary
- 3 Madrasah (Fatkhul Ilma, Wahyu Henky Irawan, and Abdussakir)
- 14 Learning Mathematics on Relation Material Function Integrated Islamic Values (Eny Shofiawanti and Zein Faizin)
- 15 Internalization of Islamic Religious Values in Character Formation of Students at Public Elementary School 116 Buton Regency (Marwan Kurniawan Rahim)
- 16 Integration of Mathematics and Islamic Values in Learning Mathematics For Forming Student Which Islamic Character at SDN 100315 Sanggapati (Haddad Alwi Siregar)

Through literature main and literature Supporter similar others, researchers do exploration and analysis use to reveal how role learning mathematics integrated hadith in build character students. Then results exploration and also analysis explained with method descriptive which is then withdrawn conclusion.

3. Result and Discussion

3.1 Draft Mathematics of Hadith Integration

Prophet Muhammad is the best human being who was given a noble book, namely the Qur'an. He is an example and role model for every Muslim, so it is obligatory to place the role of the Prophet SAW in the form of words, deeds, or agreement, and support to he or known as with term hadith [21]. Hadith is source law the second one to become interpreter and explainer of the Qur'an. Hadith is used as reference the main Ulama' in to judge and dig law for interest life religious [13], [22] Apart from speaking about law, hadith also a lot peeling about knowledge knowledge, including discipline knowledge mathematics [22], [23].

Mathematics is discipline science that has connection close with Islam [24]. Current research trends also touch on the relationship or integration between mathematics and hadith. This is also supported by the policy government for do integration knowledge knowledge and islam [25]. This provision certainly applies to mathematics, which teachers hope will not only give knowledge knowledge about draft mathematics but also build character student through learning integrated [18]. Integration between mathematics and hadith has lots done mainly on the materials mathematics in school. Materials such as numbers, addition, subtraction, fractions, statistics, functions and others [13], [22]. The results of study the expected become knowledge knowledge that can be utilized by activists field education. In addition, the purpose from every researchers who study in context integration mathematics and hadith is so that at every activity teacher learning not only give knowledge about mathematics, but besides also teaching related importance ethics and morals in life [22], [23]. With thus integration mathematics and hadith become source draw what is needed in implementation learning at school for build character student.

3.2 Learning Mathematics of Hadith Integration

The integration between mathematics and hadith learning is a form of alignment of knowledge, namely mathematical concepts with moral values contained in the hadith [25]. This is because the hadith spoken by the Prophet Muhammad SAW contains many moral messages that can be applied in life [18]. So that combining the two can not only transfer broad understanding in the academic field, but also be able to direct students to have a positive character [17].

Prophet Muhammad SAW mentioned a lot about the importance of trustworthiness, honesty, leadership, and responsibility. These values can be linked to the concept of accuracy in mathematical operations. For example, when learning

mathematics, students are trained to be honest about their calculation results, not to cheat, not to guess, and to be responsible for the process carried out [26]. The hadith of the Prophet Muhammad SAW also mentions the virtues of worship in addition to mentioning mathematics [13]. This fact is revealed by many previous references, such as Hapiz et al. [22] regarding fractional numbers in the qur'an and hadith, research by Rosikhoh & Abdussakir which discusses fractional numbers and number operations. Then research on the relationship between mathematics and hadiths that discuss the virtues of worship, and other research that discusses the context [13].

3.3 The Role of Teachers in Integrating Learning Hadith and Mathematics

Teachers have an important role in implementing integrated mathematics learning of hadith [9]. Teachers are not only responsible for delivering mathematics material, but also for including moral values contained in the hadith to build students' character [13], [26]. Therefore, teacher readiness is needed both in mastering mathematics material and understanding the hadiths that are related to the concepts that will be conveyed when learning takes place in class.

In the learning of mathematics integration of hadith, the teacher becomes a motivator to motivate students to learn mathematics with enthusiasm and appreciate how important the values contained in the hadith are. Then the teacher becomes a guide for students to understand the concept of mathematics and its application in everyday life by positioning the hadith as a guideline. When learning takes place, the teacher does not become a subject in learning, but rather a facilitator who provides full facilities for students to process finding mathematical concepts. The teacher also becomes an evaluator who conducts evaluations and feedback as stimulation for students to achieve learning goals.

The steps that teachers can take to integrate hadith in mathematics learning include teachers identifying mathematics material, formulating learning objectives, choosing appropriate learning methods, teachers creating learning media, and evaluating the material to see the achievement of learning.

3.4 Hadith Integration in Learning Mathematics to Student

Learning that integrates hadith in its application has several benefits, including:

1. Increase Moral Awareness

Integrate hadith in general studies, especially mathematics will make student realize importance moral values that are obtained applied in life everyday. For example, when they learn draft comparison or fractions, teachers can link it with hadith that discusses about the priority of worship, so that besides to obtain material students also get knowledge about morals in operate religious [17].

2. Build Character Student

Learning integrated mathematics with hadith can help to form character. Students will study for more responsible answer, be thorough and honest in operate tasks academics provided. Besides, they will understand that mathematics no only limited to numbers and formulas, but also have another dimension that can build character become more good [26].

3. Increase Involvement Student in Learning

Learning mathematics integration hadith is type learning that emphasizes on student as cast main in find draft mathematics and the values contained therein in the hadith discussed. This integration can make learning more meaningful and interesting for student because to hook mathematics with life everyday and values Islam [13].

4. Create Fun Learning

Integration between mathematics and hadith can create atmosphere learn more interesting and relevant for students. With to hook learning mathematics with the usual religious teachings done in life in society so of course student will more easy understand material and feeling more near with lessons given [27].

5. Increase Understanding Contextual

Student will more easy understand draft mathematics if they can connect it with life everyday life. For example, the concept measurement can connected with teachings hadith about importance accuracy time and proportion in various thing. Approach This help student for see relevance direct from what they learn [2].

6. Produce Student Have Good Morals

Learning mathematics integration hadith own good impact for students. In addition to obtaining material about mathematics, students can also know and practice practice or pared-down religious worship moment learning ongoing. This integration help to form students who do not only intelligent in a way academic but also moral and moral glorious [26].

3.5 Relevant Challenges and Solutions in Apply Learning Mathematics of Hadith Integration

Integrated mathematics learning of hadith is an approach that is very much needed by today's students [13]. Moral problems that plague students should be a greater concern for teachers in educating and educating the nation's generation [3], [4]. However, of course, the application of integrated learning is not easy and has many challenges, including a dense curriculum that is difficult to insert with non-academic materials, teachers' lack of understanding of the hadith and how to apply it in learning, and the lack of supporting learning resources such as textbooks or teaching materials that integrate mathematics with religious values are still limited.

The solutions that can be implemented to overcome the challenges of implementing integrated hadith mathematics learning in schools are:

1. Support policy from government: Should government start prioritize and promote importance learning that emphasizes morals and character students. One of them with do implementation learning integrated with the Qur'an and hadith.
2. Training and Workshops for Teachers: Teachers need get intensive training about method integrate hadith in learning mathematics.
3. Collaboration with Religious Educator: Teachers can collaborate with religious education teachers for ensure values the hadith that was conveyed relevant and correct.

Development of Appropriate Teaching Materials: Necessary developed module or teaching materials that integrate values hadith in learning mathematics so that teachers have clear guidance.

4. Conclusion

Integration of learning mathematics with hadith is one of effective efforts for build character student since early. With approach this, teacher does not only teach skills cognitive, but also inserts important moral values in life. Teachers play a role important in facilitate integration this through contextual and meaningful learning. Ultimately, the goal from approach this is for to form students who do not only intelligent in a way academic, but also has strong and grounded character Islamic moral values. With this is what teachers at school hope base can utilise approach integrative this for create

generation that does not only superior in mathematics, but also in matter personality and morals.

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