



# Analysis of Quantum Teaching Model on Learning Outcomes Learners

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## Article Information:

Received 11th Maret, 2025

Revised 14th April, 2025

Accepted 28th Mei, 2025

**Keywords:** *Quantum teaching, learning outcomes*

## Abstract

The Quantum Teaching Model is one approach learning innovative designed to improve motivation and results Study participant. This study aims to analyze the influence of the Quantum Teaching model on results Study participant based on review literature. The research method used is review literature with collect data from various source trusted like a journal scientific, theses, and dissertations. Research results show that the Quantum Teaching model has influence positive and significant to results Study participant educate in various eye lessons. These findings indicate that the Quantum Teaching model can be alternative effective learning models to improve quality education.

**How to Cite** : Tisya K, Afrianto, (2025). Analysis of Quantum Teaching Model on Learning Outcomes Learners, Ri'ayatu al-Qur'an: Jurnal Pendidikan Islam, 7 (2), 24-30

**e-ISSN** : 3026-4758

**Published by** : The Institute for Research and Community Service

## INTRODUCTION

Increase quality education is one of objective major in the world of education. One of factor important in achieving this purpose is with implementing effective learning models (Hotimah, 2020; Nurhuda, 2022). The Quantum Teaching Model is one of the learning models innovative designed to improve motivation and results Study participant educate (Widiyono, A. 2021).

In reality, Islamic Religious Education teachers in learning limited to the use of appropriate models, media that are appropriate need participant educate (Dewantara et al., 2020), while seen from substance the material , Islamic Religious Education learning has so far had weakness common in improving quality education (Zain & Pratiwi, 2021), required the presence of media, models and involvement participant educate actively for development think in a way critical (Wijayanti & Christian Relmasira, 2019).

Choosing the right model influential to success of learning process teaching in class (Kistian, 2019). Teachers must be able to choose the appropriate learning model . with level development participant educate (Khasanah & Darsinah, 2022). Teachers must also own skills in designing, developing and managing system learning so that teachers are able create effective, exciting and fun learning activities learning must interesting, challenging and can develop skills think participant educate, and involving participant educate actively involved in activities learning (Fitriyani et al., 2021).

Framework learning the Quantum Teaching Model frequently called as TANDUR is an abbreviation from the words Grow, Experience, Name, Demonstrate, Repeat, and Celebrate (Awalyah et al., 2023; Ashif Az Zafi & Falasifah, 2018). Framework This learning can make participant educate become happy and more interested in something lessons and can also confirm that participant educate experiencing the learning process (Syaparuddin et al., 2020) among them practice and make Contents lesson real for participant educate itself. Concerning with matter Therefore, one of the learning models chosen and implemented by the researcher is a Quantum Teaching learning model .

Learning model Quantum Teaching is one of forms of learning models used in the world of education in Indonesia. Quantum Teaching or learning Quantum is a learning model used by teachers to improve understanding and expected able to stimulate creativity participant educate so that later participant students can learn and not feel hampered in learning models This quantum tends to use media and methods certain in facilitating the way learning (Widihartanto & Sujarwo, 2023).

The Quantum Teaching method is a learning process with provide background background and strategies to improve the learning process teach become fun. Quantum Teaching learning includes instructions for creating environment effective learning, designing teaching, conveying content and facilitate the learning process (Wita & Ummami, 2021). This method provides A style empowering teaching participant educate to achieve more than is considered maybe. Also helps teachers expand skills students and motivation students , so that teachers will to obtain greater satisfaction from his work. Quantum. This model combines various principles and techniques learning that focuses on the active involvement of participants education, fun learning, and development skills think critical (Harmono, 2017).

## METHODS

This research uses method review literature to analyze the influence of the Quantum Teaching model on results Study participant educate (Saputra et al., 2022; Faj et al., 2018). Data were collected from various source trusted like a journal scientific, theses, and dissertations. Keywords used for searching literature is "Quantum Teaching", "results learn", "participants educate", and "education". Then, it was carried out analysis on the data obtained to identify patterns and findings research related to the influence of the Quantum Teaching model on results Study participant educate (Apriyadi et al., 2024).

The steps in the LSR method include :

1. **Identification Topic:** Researcher identify Topic specific research,
2. **Search Literature:** Researchers conducted a search relevant literature through online databases and other accessible sources.

3. **Selection Literature:** Researchers evaluate literature found and made a selection based on criteria inclusion and exclusion that have established. Relevant and quality literature tall selected for inclusion in the analysis,
4. **Analysis Literature:** Researchers read and analyze selected literature with careful,
5. **Synthesis and Interpretation:** Researchers synthesize and interpret findings from literature analyzed. The information obtained used to compose conclusions that can answer research questions,
6. **Writing Report:** Researcher compile report research that includes introduction, review literature, analysis findings, and conclusions. Benefits of research with The SLR method is capable identify, review, evaluate, and interpret all available research with focus topic on phenomenon certain interesting (Rozak, 2023).

## RESULTS AND DISCUSSION

Based on results review literature, found that the Quantum Teaching model has influence positive and significant to results Study participant educate in various eye lessons. Some study show that this model can improve results Study participant educate in the eyes lesson science, mathematics, language, natural sciences and social sciences (Wote yeniverawati et al., 2020; Lestari & Hudaya, 2018; Anggara & Rakimahwati, 2021). These findings indicate that the Quantum Teaching model can be alternative effective learning models to improve quality education.

Influence positive towards the Quantum Teaching model results Study participant education can be associated with a number of factors, including:

1. **Increase motivation Study participant students:** Using the Quantum Teaching Model various technique interesting and enjoyable learning, so that it can improve motivation Study participant educate (Malik et al., 2019; Cahyo et al., 2020).
2. **Increase active participation and involvement of participants Educate:** This model encourages participant educate to be actively involved in the learning process, thereby increasing understanding and power absorb them into Learning materials (Sultan & Hajarina, 2020; Putri & Supardi, 2023).
3. **Develop skills think critical:** The Quantum Teaching Model encourages participant educate to think critical and analytical in solving problems and taking decisions decision (Sultan & Hajarina, 2020).
4. **Create atmosphere conducive learning:** This model creates atmosphere conducive and positive learning, so that participants educate feel comfortable and safe for learning (Nurfadilah & Nurachadijat, 2023; Hardani & Nashikhah, 2023).

The Quantum Teaching Model represents approach learning innovative that brings influence positive significant to results Study participant educate. Its effectiveness can be observed from various aspects, including :

### 1. Improvement Motivation Continuous Learning

Quantum Teaching presents method interesting and fun learning, far from impression monotonous and boring (Mustakim et al., 2023). This is proven with various research that shows improvement motivation significant learning for participants students who follow learning with this model.

Use technique varied and creative learning, such as games educational, simulation, discussion groups, and projects Study independent, capable to awaken passion and enthusiasm Study participant educate (Rimah Dani et al., 2023).

Participant Educate no longer feels burdened with the learning process, but actively involved and enjoy every activity learning (Nisa & Qohar, 2020).

## 2. Improve Participation and Active Involvement of Students

The Quantum Teaching model not only focuses on the transfer of information, but also emphasizes the active involvement of participants. educate in the learning process (Anandari et al., 2024). Teachers play a role as facilitator who helps participant educate explore knowledge and develop their curiosity (Nurishlah et al., 2023).

Learner-centered learning This education encourages them to be more active in asking questions, discussing, solving problems, and working on assignments. project (Sunita et al., 2019). This active involvement is significant increase understanding and power absorb participant educate to subject matter (Fazriansyah, 2023).

## 3. Develop Skills Think Critical and Problem Solving

Quantum Teaching not only provides participant educate with knowledge, but also train them to think critical and analytical (Liska et al., 2021), (Ahmad Muzaqi et al., 2021). This model is encouraging participant educate to solve problems, take decisions, and evaluate information in a way independent (Anggara & Rakimahwati, 2021). Use various method learning, such as discussions, debates, and projects research, training ability think critical and problem solving participants educate (Ahmad Muzaqi et al., 2021). This equips them with essential skills to deal with various challenges in life.

## 4. Creating Atmosphere Conducive and Positive Learning

Quantum Teaching creates environment safe , open and supportive learning for participant educate . environment conducive learning is environment study at school in an atmosphere the learning process is ongoing teach (Jumrawarsi & Suhaili, 2021) .

Teacher builds positive relationship with participant educate, so that they feel comfortable to ask questions, express opinions, and create error (Adiyono et al., 2022). Atmosphere This conducive learning allows participant educate to learn without fear and develop their self- confidence ( Arianti, 2017). This model also encourages collaboration and cooperation between participant educate, so that they can help each other help and learn One each other (Wardani, 2023).

## 5. Significantly Improve Learning Outcomes

Based on various research, the application of the Quantum Teaching model shows results better learning than with method learning traditional (Purba, 2021). Participants students who follow learning with this model shows improvement understanding and mastery material lessons, as well as capable apply knowledge in life real (Putra et al., 2018). This shows that Quantum Teaching is an effective learning model to improve quality education.

So the author can conclude influence positive towards the Quantum Teaching model results Study participant education is not just limited to improvement score tests, but also includes development various aspect important, such as motivation learning, active participation, skills think critical, and character positive. This model offers approach holistic and participant-centered learning educate, so that it can help them achieve potential Study in a way maximum and become learner throughout life.

## CONCLUSION

Based on results review literature, it can be concluded that the Quantum Teaching model has influence positive and significant to results Study participant educate in various Subject. This model can be alternative effective learning models to improve quality education. Therefore, it is necessary to do further research to develop and apply the Quantum Teaching model more widely in various educational level.

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