

## QUANTUM TEACHING IN AN ISLAMIC PERSPECTIVE

Anis Zohriah<sup>1</sup>, Anis Fauzi<sup>2</sup>, Fazrurrakhman Al Farisi<sup>3</sup>, Euis Asyiah<sup>4</sup>

Universitas Islam Negeri Sultan Maulana Hasanudin Banten, Indonesia<sup>1234</sup>

[<sup>1</sup>](mailto:anis.zohriah@uinbanten.ac.id), [<sup>2</sup>](mailto:anis.fauzi@uinbanten.ac.id), [<sup>3</sup>](mailto:fazrur.222625236@uinbanten.ac.id),  
[<sup>4</sup>](mailto:euis.222625233@uinbanten.ac.id)

### Abstract

*This article examines Quantum Teaching according to Islamic Education, by discussing the methodology used in the design, presentation, and facilities used in teaching. This study was conducted to contribute thoughts from the author so that it can be input material to see the possibility of its application in efforts to improve and develop Islamic Education Institutions. This article uses a bibliographical approach where the data comes from various sources. This study shows that there have been several improvements in Islamic education teaching methods in modern times. The purpose of writing this article is to produce Islamic Education graduates who develop all their potential and have a positive attitude in Islamic Education Institutions or lecturers who teach using the Islamic education method. Quantum Teaching as well as preparing graduates who have broad insight, emotional intelligence, skills, and have self-confidence and are able to compete in the globalization era.*

**Keywords:** *Quantum Teaching; Islamic Education Management; Contemporary Issues about Islamic Education;*

### Abstrak

*Artikel ini mengkaji tentang Quantum Teaching dalam konteks Pendidikan Islam, dengan membahas metodologi yang digunakan dalam perancangan, penyajian, dan fasilitas yang digunakan dalam mengajar. Studi ini dilakukan untuk memberikan kontribusi pemikiran dari penulis sehingga dapat menjadi materi masukan untuk melihat kemungkinan penerapannya dalam upaya meningkatkan dan mengembangkan Institusi Pendidikan Islam. Artikel ini menggunakan pendekatan bibliografi di mana data berasal dari berbagai sumber. Studi ini menunjukkan bahwa telah terjadi beberapa peningkatan dalam metode pengajaran pendidikan Islam di zaman modern. Tujuan dari penulisan artikel ini adalah untuk menghasilkan lulusan Pendidikan Islam yang mengembangkan seluruh potensi mereka dan memiliki sikap positif di Institusi Pendidikan Islam atau dosen yang mengajar menggunakan metode pendidikan Islam. Quantum Teaching juga sebagai persiapan lulusan yang memiliki wawasan luas, kecerdasan emosional, keterampilan, dan memiliki rasa percaya diri serta mampu bersaing di era globalisasi.*

**Kata Kunci:** *Quantum Teaching; Manajemen Pendidikan Islam; Isu Kontemporer tentang Pendidikan Islam;*

## INTRODUCTION

Mastery of teaching methods is one of the requirements for a professional teacher. Various education experts such as Mahmud Yunus have said that learning teaching methods is more important than giving subjects (*al-tariqah abam min al-Madah*).<sup>1</sup> This opinion is based on the results output (graduate) of a pesantren who said that out of a hundred students, only one became a kyai.<sup>2</sup> Pesantren graduates who have spent considerable time find that they can learn different linguistic skills well and effectively, such as nahu (the science of changing sentences), Sharaf (the science of changing words), the science of

<sup>1</sup> F Fatimah, "PENGUNAAN MODEL QUANTUM TEACHING BERBASIS MEDIA ANIMASI UNTUK MENINGKATKAN KETERAMPILAN PROSES SAINS SISWA KELAS IX SMP ...," *Jurnal Pendidikan Almuslim* (2019), <http://jfkpi.umuslim.ac.id/index.php/jupa/article/view/455>.

<sup>2</sup> T N Purba, "Implementasi Metode Quantum Teaching Terhadap Peningkatan Hasil Belajar Matematika Pada Siswa Sekolah Menengah Pertama," *Alifmatika: Jurnal Pendidikan Dan Pembelajaran ...* (2021), <https://journal.ibrahimiy.ac.id/index.php/Alifmatika/article/view/1087>.

balaghah (the science of how to pronounce sentences concisely but effective) and other sciences.<sup>3</sup> However, the international concepts that students acquire need to include the ability to use these concepts by writing and speaking Arabic fluently and fluently. Therefore, his various knowledge is not effective and does not help him to solve various communication problems and others.<sup>4</sup> Different language skills are used to understand Arabic and Arabic texts or books (Kitab kuning). Their proficiency in multiple languages is also challenging to measure in terms of length of study in the examples.<sup>5</sup>

Islamic boarding school graduates are different from Gontor Ponorogo Islamic boarding school graduates. Apart from learning Arabic grammar well, graduates of this academy also use it in writing and conversation.<sup>6</sup> They are very good at forming Arabic sentences and communicating in Arabic. The Arabic language he learned helped facilitate communication, boosting his self-confidence.<sup>7</sup>

The difference between pesantren graduates in general and Pondok Modern Gontor graduates in Arabic language skills is due to differences in the use of teaching methods. In Islamic schools, Arabic is taught separately from one branch of Arabic to another. Scientific Method Nahu, Sharaf, Balaghah, etc. studied separately with no relationship between them. As a result, graduates tend to lack oral and written Arabic language skills.<sup>8</sup>

Based on these examples, it is clear that differences in teaching methods have a significant impact on academic achievement. It is time for the world of Islamic education to use teaching methods that are able to produce graduates who are properly educated between the development of intelligence and emotional intelligence as well as those who are talented and have good physical health so that graduates of this education can carry out their duties as caliphs in the world in worshipping Allah. SWT.

## METHOD

In line with these problems, this paper will then focus on studying one of the teaching methodologies that is considered the most up-to-date and can produce graduates who develop all of their potentials as mentioned above. The teaching methodology is *Quantum Teaching*. The writing method is descriptive analytical. Namely describing the problem as it is based on authoritative reference sources in the field of education, which is then analyzed using the philosophy of Islamic Education approach.

## RESULT AND DISCUSSION

### 1. Quantum Teaching and Characteristics

Quantum Education is part of the knowledge and process used in the design, presentation, and infrastructure of Supercamp. Developed based on teaching methods such as accelerated learning

---

<sup>3</sup> Z Sa'diyah, "Menumbuhkembangkan Kecerdasan Majemuk Siswa Madrasah Ibtidaiyah Melalui Metode Pembelajaran Quantum Teaching Dan Learning," ...: *Jurnal Pendidikan Guru Madrasah Ibtidaiyah* (2022), <http://journalfai.unisla.ac.id/index.php/at-thulab/article/view/74>.

<sup>4</sup> K KAMIRUDDIN, "ISTIQRA'Peranan Pembelajaran Quantum Teaching Dalam Meningkatkan Hasil Belajar Pendidikan Agama Islam (PAI) Kelas IX SMP Negeri 1 Tanasitolo Kabupaten ...," *Istiqra: Jurnal Pendidikan dan Pemikiran Islam* (2021), <http://jurnal.umpar.ac.id/index.php/istiqra/article/view/1236>.

<sup>5</sup> R Supitmie, "PENERAPAN KERANGKA TANDUR QUANTUM TEACHING UNTUK MENINGKATKAN HASIL BELAJAR MATEMATIKA," *Jurnal Pendidikan Tambusai* (2020), <https://www.jptam.org/index.php/jptam/article/view/439>.

<sup>6</sup> N Wahidurahman, K Kartono, and H Hadiyah, "Penerapan Model Pembelajaran Quantum Teaching Untuk Meningkatkan Keterampilan Berekperimen Dalam Pembelajaran IPA," *JPI (Jurnal Pendidikan ... (jurnal.uns.ac.id, n.d.)*, <https://jurnal.uns.ac.id/jpi/article/viewFile/46344/30862>.

<sup>7</sup> B Bahtiar, I Ibrahim, and M Maimun, "Analysis of Students' Scientific Literacy Skill in Terms of Gender Using Science Teaching Materials Discovery Model Assisted by PhET Simulation," *Jurnal Pendidikan IPA ... (2022)*, <https://journal.unnes.ac.id/nju/index.php/jpii/article/view/37279>.

<sup>8</sup> J Jusman, R Rafiqah, and ..., "PENGARUH MODEL PEMBELAJARAN QUANTUM TEACHING TERHADAP PEMAHAMAN KONSEP," ... (*Jurnal Pendidikan ... (2022)*, <https://journal3.uin-alauddin.ac.id/index.php/PendidikanFisika/article/view/29475>.

(Lozanov), multiple intelligences (Gardner), neuro-linguistic programming (Ginder and Bandler), experiential learning (Hahn), Socratic interview learning (Johnson and Johnson) and Elements of Effective Teaching (Hunters), Quantum Education brings together the best of multisensory, intellectual, and holistic brains that will ultimately strengthen teachers' motivation and students' ability to succeed. As a new learning method, flexible, useful, and easy to implement. Quantum Education provides a synthesis of new requirements or methods to enhance the effectiveness of teachers' teaching efforts by developing relationships, changing learning, and delivering the curriculum. This system is based on eighteen years of experience and research with 25,000 students, and the approval of hundreds of teachers.<sup>9</sup>

Quantum Education, which builds on these concepts, includes specific guidelines for creating an effective learning environment, creating a curriculum, providing content, and supporting the learning process. Quantum theory is based on the concept of bringing their world into our world and bringing our world into their world. It is the basic foundation, the main reason for all the plans, forms, and beliefs of quantum theory.<sup>10</sup> Through quantum education, teachers will impact students' lives. You feel like he's directing music when you're in class. You understand very well that each student has his personality, because musical instruments such as flute and guitar, for example, have different sounds. How each character can be responsible for success in learning is the main lesson of Quantum.<sup>11</sup>

Quantum theory also has five principles or static truths. As a basic principle, as mentioned above, it affects all aspects of quantum theory.<sup>12</sup> Think of these principles as a basic part of educational music. There are five principles, namely 1. All this being said; 2. Everything has a purpose; 3. Prior appointment experience; 4. Accept all efforts; 5. If it's good to learn, it's good to celebrate.<sup>13</sup>

In its application, the Quantum Teaching makes a teaching method with 6 steps presented in Tandur words. In the early days, develop a good attention, these are the benefits of teaching for teachers and students. Second, nature is capturing and presenting universal experiences that all students can understand. The Third Name. For this, it is mandatory to provide key words, ideas, forms, methods, strategies: which will become input for students. Fourth, to show is to give students a chance to show that they know. Fifth, the movement shows students how to move the group and declare, "I know and I really know that." Sixth, programming is the acceptance of solutions, participation, and acquisition of skills and knowledge.<sup>14</sup>

From the theoretical framework of quantum teaching and learning, it is clear that there are four characteristics as follows. In recent times, there is a cause for democracy in education. It is clear that in quantum education, there is a great opportunity for all students to actively participate and participate in the study level of the subject. Second, because of the first feature, it is possible to identify and show all the abilities and skills of students. Third, there is student satisfaction. This leads to the recognition of the

<sup>9</sup> C N Sarbunan, J S Molle, and ..., "PERBEDAAN HASIL BELAJAR SISWA YANG DIAJARKAN DENGAN MENGGUNAKAN MODEL PEMBELAJARAN QUANTUM TEACHING DAN MODEL ...," *Jurnal Pendidikan ...* (2020), <https://ojs3.unpatti.ac.id/index.php/jpmu/article/view/2350>.

<sup>10</sup> T Thoyibah, M Marzuki, and S Sugiyono, "PENGARUH QUANTUM TEACHING TERHADAP PEROLEHAN BELAJAR IPS PESERTA DIDIK DI SEKOLAH DASAR NEGERI PONTIANAK," *Jurnal Pendidikan dan ...* (n.d.), <https://jurnal.untan.ac.id/index.php/jpdpb/article/view/31640>.

<sup>11</sup> M I Jayanti, M Nasir, and A Marseno, "Quantum Teaching Dan Pengaruhnya Terhadap Kemampuan Berargumentasi," *Oryza: Jurnal Pendidikan ...* (2020), <http://jurnal.stkipbima.ac.id/index.php/OZ/article/view/372>.

<sup>12</sup> R Mutiah, "Peningkatan Aktivitas Dan Prestasi Belajar Materi Creating Captions Dengan Metode Quantum Teaching," ... : *Jurnal Pendidikan Islam, Sains, Sosial, dan Budaya* (2022), <http://madrascience.com/index.php/ms/article/view/138>.

<sup>13</sup> L Mayasari and N A Harahap, "Peningkatan Kemampuan Berpikir Kreatif Matematis Siswa Menggunakan Metode Quantum Teaching Pada Kelas VIII SMP N 1 Merbau," *Jurnal Cendekia: Jurnal Pendidikan ...* (2022), <https://www.j-cup.org/index.php/cendekia/article/view/1316>.

<sup>14</sup> Y Y Aribon, "IMPLEMENTASI PENDEKATAN TEMATIK TERPADU BERBASIS QUANTUM TEACHING DALAM PENANAMAN DISIPLIN, KEJUJURAN, DAN TOLERANSI DI ...," *JURNAL PENDIDIKAN DASAR* (2022), <http://jurnalstkipmelawi.ac.id/index.php/JPD/article/view/876>.

findings and skills presented by the students so that it is appropriate. Fourth, there is an element of confidence in understanding the module or skill being taught. This can be seen in the presence of repeating what the students understood. Fifth, there is a part of the expert and the teacher to collect the discoveries made by the students, in the form of ideas, concepts, models, etc.<sup>15</sup>

By applying the principles and methods in quantum teaching, the learning atmosphere will appear dynamic, democratic, stimulating, and interesting for students, so that they can spend a long time in the room unintelligible or boring. Not only that, quantum education is not only to provide students with knowledge or principles but also to share experiences, technical skills, and techniques to achieve these goals.<sup>16</sup>

Quantum-based teaching methods appear to be more comprehensive than traditional teaching methods. In other words, quantum education has different teaching methods covered in one, such as teaching method, explanation, demonstration, field trip, homework, problem-solving, discussion, simulation, experiment, and result in a function or unit. These different methods work together to create quantum theory.<sup>17</sup>

Not only that, but Quantum courses are also very close to the existing CBSA curriculum. Through the CBSA, students are not only expected to be able and mature and practice theory but they are also expected to have technical or technical skills in creating or solving the problem.<sup>18</sup> Therefore, teaching is not only about module competence (Subject Matter Oriented), but also has process competence. In other words, it is expected that the student will not only get fish but also have a method to get fish so that when the fish is finished or leaving the look, he can get it. In this case, Ali Shari'ati said once, so that a person has something to report, but there can be no way to find something.

With a CBSA education, a student must be able to engage in the learning process and be creative, innovative, and rigorous. This type of teaching method is proposed to replace the previous teaching method which is like a teacher and small student or known as the DDCH method, that is, come, sit, write and carry n' head. This type of system is seen as not being able to explore students' abilities and making students less creative. The teaching methods and methods of ASFC seem to be applied to the teaching methods of quantum teaching.<sup>19</sup>

## 2. Quantum Teaching in Islamic Education

Islamic education science has not found a teaching method similar to quantum teaching. This is understandable, knowing that Islamic learning lags in its development when compared to other Islamic sciences such as fiqh, kalam, commentary, hadith, etc. However, this does not mean that the principles of quantum theory and its methods are not found universally in Islam. Islam as a religion in general is

<sup>15</sup> M A Yaqin, "Implementasi Quantum Teaching Dalam Pembelajaran Pendidikan Agama Islam," *Jurnal Pendidikan Indonesia* (2021), <http://japendi.publikasiindonesia.id/index.php/japendi/article/view/93>.

<sup>16</sup> I W Anisia, A Johari, and B Hariyadi, "... Berbasis Quantum Teaching Dan Implikasinya Dalam Pembelajaran Biologi Kelas VII SMP: Development of LKPD with Character Based on Quantum Teaching and Its ...," ... : *Jurnal Pendidikan ...* (2020), <https://online-journal.unja.ac.id/edusains/article/view/16969>.

<sup>17</sup> E Girsang, N A Purba, and ..., "Pengaruh Model Quantum Teaching Tipe Tandır Terhadap Hasil Belajar Siswa Kelas IV Pada Pembelajaran Subtema Energi Alternatif Di SD Negeri 098166 ...," ... *Pendidikan ...* (2022), <http://journal.universitaspahlawan.ac.id/index.php/jpdk/article/view/7795>.

<sup>18</sup> A Wijaksono and A Wapa, "... PADA SISTEM PEMBELAJARAN QUANTUM TEACHING: DEVELOPMENT OF BASIC EDUCATION TEXTBOOK BASED ON QUANTUM TEACHING LEARNING ...," *Jurnal Pendidikan dan ...* (2022), <https://ejournal.politeknikpratama.ac.id/index.php/JUPENSI/article/view/217>.

<sup>19</sup> T H Adikalana, "Studi Literatur: Model Pembelajaran Quantum Teaching Dalam Meningkatkan Keberanian Berbicara Siswa Menggunakan Media Realia," *ScienceEdu: Jurnal Pendidikan IPA* (2019), <https://jurnal.unej.ac.id/index.php/Scedu/article/view/9486>.

believed to influence human power through education.<sup>20</sup> In the Quran and hadith, there are many verses and key words of hadith related to the inspiration of human power. Such motivation has already shown itself in history in the ancient centuries from the 7th to the 13th century, which is the period of Islamic progress marked by the beginning of many encyclopedic scientists who understood not only religious science but also universal knowledge, such as mathematics, physics, astronomy, geology, medicine, optics, etc. Such conditions cannot be created if there is no active learning and teaching process in it. But unfortunately, the analysis of different Islamic educational concepts proposed by Muslims has not been investigated.

As mentioned above, there are 5 principles in quantum teaching, they are 1. All communication; 2. Everything has a purpose; 3. Experience before appointment; 4. Accept every effort; 5. When he should study until it is useful to celebrate. The five principles of quantum teaching are also present in Islamic teaching.<sup>21</sup>

First, if the principle of the whole is discussed as in Quantum Teaching, it is also found in Islam. For Islam, everything has a soul or personality. Water, air, land, mountains, trees, animals, people, etc. have a soul and personality. Therefore, all people must be treated well and have the right to live. They must be cared for, loved, fed, etc., until they are all friends and fed to humans. Concerning this, we find a verse in the Quran that means "Indeed, we ordered the heavens, the earth, and the mountains, until they all refused to take the order and they were afraid of betraying it, and law. people took it. The truth is that humans are very cruel and stupid." (QS. Al-Ahzab; 72). This verse shows that there is a belief in the existence of others who, although they have souls, they do not have the necessary will to fulfill the law. That is why man is given that right.<sup>22</sup>

Second, if the principle in quantum teaching is that everything has a purpose, then there is the Islamic teaching. In the Koran, there is a verse that means: "Our Lord, you have not created this for nothing. Praise be to You, save us from the torment of hell." (QS. Ali Imran: 191). This verse is related to the previous verse which talks about the behavior of intelligent people who are ready to study everything that God has created in heaven and on earth and the change of day and night. By following this principle, the intelligent person always wants to learn the secret, value, and wisdom in all of God's creation. Through such a process, the person not only wants to create different ideas in the field of knowledge (science) but also continues to get closer to God. Above and below, until all God's creations are used as carriers of increasing knowledge.<sup>23</sup>

Third, if the principle of sharing experience before naming as in quantum teaching, is also in line with the principle in Islamic teaching. In the teachings of Islam, a person must first have faith in Allah, declare two sentences of the Creed, pray, read the Quran, and practice other Islamic teachings. After that, the interpretation of the text is given by the science of reading. Sharing details of what students understand is anchored in teaching, rather than first generating strong ideas and then applying them.<sup>24</sup>

<sup>20</sup> S O Nasution, "IMPLEMENTASI MODEL PEMBELAJARAN QUANTUM TEACHING DALAM MENINGKATKAN KECAKAPAN HIDUP (LIFE SKILL) PADA MATA PELAJARAN FIQH ...," *J-PARIS: Jurnal Pendidikan Agama Islam dan Riset* (2021), <https://jurnal.uisu.ac.id/index.php/jparis/article/view/4375>.

<sup>21</sup> Yaqin, "Implementasi Quantum Teaching Dalam Pembelajaran Pendidikan Agama Islam."

<sup>22</sup> I Sopandi, "IMPLEMENTASI QUANTUM TEACHING DALAM MENINGKATKAN MUTU PEMBELAJARAN PENDIDIKAN AGAMA ISLAM DI MTS AL KAREEM GARUT," *JIECO: Journal of Islamic Education Counseling*, 2021, <https://www.jurnal.stit-buntetpesantren.ac.id/index.php/jieco/article/download/92/86>.

<sup>23</sup> KAMIRUDDIN, "ISTIQRAR Peranan Pembelajaran Quantum Teaching Dalam Meningkatkan Hasil Belajar Pendidikan Agama Islam (PAI) Kelas IX SMP Negeri 1 Tanasitolo Kabupaten ..."

<sup>24</sup> M Gozali, "PENGUNAAN METODE QUANTUM TEACHING DALAM PEMBELAJARAN PAI DI KELAS V SD INPRES ATULALENG, KECAMATAN BUYASURI, KABUPATEN ...," ... *LIM: Jurnal Pendidikan Agama Islam Dan ...* (2022), <https://e-journal.unmuhkupang.ac.id/index.php/talim/article/view/602>.

Fourth, the principle of quantum teaching is to understand that every effort is in line with the principles of Islamic teaching. In Islamic teachings, there is a promise given to a person based on his efforts. For example, those who believe in the pillars of faith and other related areas, are called Muslims. For the righteous, we say Muttaqin. For those who do good, we say Muhsini and others. Different types of predictions show this. Therefore, until the existence, the effort of satisfaction of the mind which in turn will increase the work ethic.<sup>25</sup>

Fifth, the principle of celebrating if it is worth celebrating as it is in the quantum teaching is also in Islamic teaching. This principle is in line with what is found in various traditional ceremonies in Islam, such as the tradition of giving a child a good name, slaughtering an aqiqah animal, and marrying him if he is an adult, which is an attempt to celebrate that there is something to be recognized human existence in society.<sup>26</sup>

Then, the step of quantum education that can inspire the atmosphere of teaching and learning that is in the name of Tandur, as described above, is also following Islamic teachings. The first step is to increase attention. This corresponds to the desire and intention that must be instilled before doing any work, which is a true desire for God (Amati QS. Al-Bayyinah: 5). The second step, of course, is to give someone the experience to do the job. This goes in the way of learning morals and good behavior which must be tried by making changes such as making changes in saying good things, respecting parents, praying, helping others, etc. The third step, the name, is to share the evidence of what was found. This is in line with what God taught Prophet Adam about the names of the mini lands after Adam had them. (Amati QS. Al-Baqarah: 31). The fourth step, presentation, is to show what has been done. This is in line with why Adam the prophet tried before the angels when God asked him to show the results of his learning before the angels. (Amati QS. Al-Baqarah: 32). The fifth step, repeating, is to show what the teacher taught so that the results are more obvious and stronger. This is in line with the verse of the Quran which talks about something that repeats itself in different places trying to make it stable. The sixth step, to celebrate, is to share the statement. This is consistent with the principle of giving people a policy based on their work, as explained.<sup>27</sup>

## CONCLUSION

Based on the details of the research mentioned above, it seems that it can be concluded that quantum teaching, which is a sophisticated teaching method, integrates and corrects the teaching method that was before. Although there are no Islamic scholars who have clearly stated this quantum teaching method, in the Quran and hadiths there are universal guidelines that help to develop the quantum teaching method. To produce graduates of Islamic education who develop their full potential and have confidence, creativity, innovation, criticism, and democratic behavior, the time has come for teachers who teach in madrasas or who course that teaches the teaching method of quantum education, and to prepare graduates of Islamic education who are broad-minded in the field of science, have emotional intelligence, skills, and self-confidence and can compete in the generation of globalization that started to destroy the lives of all Indonesians, especially Muslims.

---

<sup>25</sup> Faisal Kamal, "Model Pembelajaran Sorogan Dan Bandongan Dalam Pondok Pesantren," *Paramurobi* 3, no. 2 (2020): 15–26.

<sup>26</sup> Rahmat Hidayat and Candra Wijaya, *AYAT - AYAT ALQURAN Tentang Manajemen Pendidikan Islam, Lembaga Peduli Pengembangan Pendidikan Indonesia*, vol. 1, 2017.

<sup>27</sup> Sopandi, "IMPLEMENTASI QUANTUM TEACHING DALAM MENINGKATKAN MUTU PEMBELAJARAN PENDIDIKAN AGAMA ISLAM DI MTS AL KAREEM GARUT."

**BIBLIOGRAPHY**

- Adikalan, T H. “Studi Literatur: Model Pembelajaran Quantum Teaching Dalam Meningkatkan Keberanian Berbicara Siswa Menggunakan Media Realia.” *ScienceEdu: Jurnal Pendidikan IPA* (2019). <https://jurnal.unej.ac.id/index.php/Scedu/article/view/9486>.
- Anisia, I W, A Johari, and B Hariyadi. “... Berbasis Quantum Teaching Dan Implikasinya Dalam Pembelajaran Biologi Kelas VII SMP: Development of LKPD with Character Based on Quantum Teaching and Its ....” ...: *Jurnal Pendidikan ...* (2020). <https://online-journal.unja.ac.id/edusains/article/view/16969>.
- Aribon, Y Y. “IMPLEMENTASI PENDEKATAN TEMATIK TERPADU BERBASIS QUANTUM TEACHING DALAM PENANAMAN DISIPLIN, KEJUJURAN, DAN TOLERANSI DI ....” *JURNAL PENDIDIKAN DASAR* (2022). <http://jurnalstkipmelawi.ac.id/index.php/JPD/article/view/876>.
- Bahtiar, B, I Ibrahim, and M Maimun. “Analysis of Students’ Scientific Literacy Skill in Terms of Gender Using Science Teaching Materials Discovery Model Assisted by PhET Simulation.” *Jurnal Pendidikan IPA ...* (2022). <https://journal.unnes.ac.id/nju/index.php/jpii/article/view/37279>.
- Fatimah, F. “PENGUNAAN MODEL QUANTUM TEACHING BERBASIS MEDIA ANIMASI UNTUK MENINGKATKAN KETERAMPILAN PROSES SAINS SISWA KELAS IX SMP ....” *Jurnal Pendidikan Almuslim* (2019). <http://jkip.umuslim.ac.id/index.php/jupa/article/view/455>.
- Girsang, E, N A Purba, and ... “Pengaruh Model Quantum Teaching Tipe Tandır Terhadap Hasil Belajar Siswa Kelas IV Pada Pembelajaran Subtema Energi Alternatif Di SD Negeri 098166 ....” ... *Pendidikan ...* (2022). <http://journal.universitaspahlawan.ac.id/index.php/jpdk/article/view/7795>.
- Gozali, M. “PENGUNAAN METODE QUANTUM TEACHING DALAM PEMBELAJARAN PAI DI KELAS V SD INPRES ATULALENG, KECAMATAN BUYASURI, KABUPATEN ....” ... *LIM: Jurnal Pendidikan Agama Islam Dan ...* (2022). <https://e-journal.unmuhkupang.ac.id/index.php/talim/article/view/602>.
- Hidayat, Rahmat, and Candra Wijaya. *AYAT - AYAT ALQURAN Tentang Manajemen Pendidikan Islam. Lembaga Peduli Pengembangan Pendidikan Indonesia*. Vol. 1, 2017.
- Jayanti, M I, M Nasir, and A Marseno. “Quantum Teaching Dan Pengaruhnya Terhadap Kemampuan Berargumentasi.” *Oryza: Jurnal Pendidikan ...* (2020). <http://jurnal.stkipbima.ac.id/index.php/OZ/article/view/372>.
- Jusman, J, R Rafiqah, and ... “PENGARUH MODEL PEMBELAJARAN QUANTUM TEACHING TERHADAP PEMAHAMAN KONSEP.” ... (*Jurnal Pendidikan ...* (2022). <https://journal3.uin-alauddin.ac.id/index.php/PendidikanFisika/article/view/29475>.

- Kamal, Faisal. "Model Pembelajaran Sorogan Dan Bandongan Dalam Pondok Pesantren." *Paramurobi* 3, no. 2 (2020): 15–26.
- KAMIRUDDIN, K. "ISTIQRA'Peranan Pembelajaran Quantum Teaching Dalam Meningkatkan Hasil Belajar Pendidikan Agama Islam (PAI) Kelas IX SMP Negeri 1 Tanasitolo Kabupaten ...." *Istiqra: Jurnal Pendidikan dan Pemikiran Islam* (2021). <http://jurnal.umpar.ac.id/index.php/istiqra/article/view/1236>.
- Mayasari, L, and N A Harahap. "Peningkatan Kemampuan Berpikir Kreatif Matematis Siswa Menggunakan Metode Quantum Teaching Pada Kelas VIII SMP N 1 Merbau." *Jurnal Cendekia: Jurnal Pendidikan ...* (2022). <https://www.j-cup.org/index.php/cendekia/article/view/1316>.
- Mutiah, R. "Peningkatan Aktivitas Dan Prestasi Belajar Materi Creating Captions Dengan Metode Quantum Teaching." ...: *Jurnal Pendidikan Islam, Sains, Sosial, dan Budaya* (2022). <http://madrascience.com/index.php/ms/article/view/138>.
- Nasution, S O. "IMPLEMENTASI MODEL PEMBELAJARAN QUANTUM TEACHING DALAM MENINGKATKAN KECAKAPAN HIDUP (LIFE SKILL) PADA MATA PELAJARAN FIKIH ...." *J-PARIS: Jurnal Pendidikan Agama Islam dan Riset* (2021). <https://jurnal.uisu.ac.id/index.php/jparis/article/view/4375>.
- Purba, T N. "Implementasi Metode Quantum Teaching Terhadap Peningkatan Hasil Belajar Matematika Pada Siswa Sekolah Menengah Pertama." *Alifmatika: Jurnal Pendidikan Dan Pembelajaran ...* (2021). <https://journal.ibrahimy.ac.id/index.php/Alifmatika/article/view/1087>.
- Sa'diyah, Z. "Menumbuhkembangkan Kecerdasan Majemuk Siswa Madrasah Ibtidaiyah Melalui Metode Pembelajaran Quantum Teaching Dan Learning." ...: *Jurnal Pendidikan Guru Madrasah Ibtidaiyah* (2022). <http://journalfai.unisla.ac.id/index.php/at-thulab/article/view/74>.
- Sarbunan, C N, J S Molle, and ... "PERBEDAAN HASIL BELAJAR SISWA YANG DIAJARKAN DENGAN MENGGUNAKAN MODEL PEMBELAJARAN QUANTUM TEACHING DAN MODEL ...." *Jurnal Pendidikan ...* (2020). <https://ojs3.unpatti.ac.id/index.php/jpmu/article/view/2350>.
- Sopandi, I. "IMPLEMENTASI QUANTUM TEACHING DALAM MENINGKATKAN MUTU PEMBELAJARAN PENDIDIKAN AGAMA ISLAM DI MTS AL KAREEM GARUT." *JIECO: Journal of Islamic Education Counseling*, 2021. <https://www.jurnal.stit-buntetpesantren.ac.id/index.php/jieco/article/download/92/86>.
- Supitmie, R. "PENERAPAN KERANGKA TANDUR QUANTUM TEACHING UNTUK MENINGKATKAN HASIL BELAJAR MATEMATIKA." *Jurnal Pendidikan Tambusai* (2020). <https://www.jptam.org/index.php/jptam/article/view/439>.
- Thoyibah, T, M Marzuki, and S Sugiyono. "PENGARUH QUANTUM TEACHING TERHADAP

PEROLEHAN BELAJAR IPS PESERTA DIDIK DI SEKOLAH DASAR NEGERI PONTIANAK.” *Jurnal Pendidikan dan ...* (n.d).

<https://jurnal.untan.ac.id/index.php/jpdpb/article/view/31640>.

Usni, M, M Marzuki, and T Sabri. “IMPLEMENTASI QUANTUM TEACHING DALAM PEMBELAJARAN DI KELAS RENDAH SEKOLAH DASAR SWASTA CAHAYA KEMULIAAN SOSOK SANGGAU.” *Jurnal Pendidikan dan Pembelajaran ...* (n.d).

<https://jurnal.untan.ac.id/index.php/jpdpb/article/view/31699>.

Wahidurahman, N, K Kartono, and H Hadiyah. “Penerapan Model Pembelajaran Quantum Teaching Untuk Meningkatkan Keterampilan Berekperimen Dalam Pembelajaran IPA.” *JPI (Jurnal Pendidikan .... jurnal.uns.ac.id*, n.d. <https://jurnal.uns.ac.id/jpi/article/viewFile/46344/30862>.

Wijaksono, A, and A Wapa. “... PADA SISTEM PEMBELAJARAN QUANTUM TEACHING: DEVELOPMENT OF BASIC EDUCATION TEXTBOOK BASED ON QUANTUM TEACHING LEARNING ....” *Jurnal Pendidikan dan ...* (2022).

<https://ejurnal.politeknikpratama.ac.id/index.php/JUPENSI/article/view/217>.

Yaqin, M A. “Implementasi Quantum Teaching Dalam Pembelajaran Pendidikan Agama Islam.” *Jurnal Pendidikan Indonesia* (2021).

<http://japendi.publikasiindonesia.id/index.php/japendi/article/view/93>.