THE STORY OF ISRA' MI'RAJ PROPHET MUHAMMAD IN THE PERSPECTIVE OF SCIENCE

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Abstract

The purpose of this research is to analyze the journey of Isra' and Mi'raj of the Prophet Muhammad from a scientific perspective. The researcher uses descriptive qualitative with library research by analyzing related books and journals, where the data is obtained by studying the theme of Isra' Mi'raj in the perspective of science with in-depth study. After the data is collected, it is then analyzed with the concept and theory of Zero Kelvin. Through this study, it can be seen that the Zero Kelvin Theory and Heisenberg's Uncertainty Principle are so far suitable to explain the Isra' Mi'raj event, where the body of the Prophet Muhammad when traveling Isra' and Mi'raj traveled at the speed of light.

Abstrak

Tujuan dari penelitian ini adalah untuk menganalisis perjalanan Isra' dan Mi'raj Nabi Muhammad dari perspektif ilmiah. Peneliti menggunakan kualitatif deskriptif dengan penelitian perpustakaan dengan menganalisis buku dan jurnal terkait, dimana data diperoleh dengan mempelajari tema Isra' Mi'raj dalam perspektif ilmu pengetahuan dengan kajian mendalam. Setelah data dikumpulkan, kemudian dianalisis dengan konsep dan teori Zero Kelvin. Melalui penelitian ini, dapat dilihat bahwa Teori Nol Kelvin dan Prinsip Ketidakpastian Heisenberg selama ini cocok untuk menjelaskan peristiwa Isra' Mi'raj, dimana tubuh Nabi Muhammad saat melakukan perjalanan Isra' dan Mi'raj melakukan perjalanan dengan kecepatan cahaya.

Kata Kunci: Nabi Muhammad, Prinsip Ketidakpastian Heisenberg, Isra', Mi'raj, dan Teori Nol Kelvin.

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INTRODUCTION

Allah has bestowed upon the prophets who were sent with various miracles as proof that they are messengers of Allah sent to guide the truth to mankind. Miracles are unusual events that are beyond the reach of human intellect and cannot be matched by ordinary human strength. With the permission of Allah SWT, everything impossible becomes possible. Among the miracles mentioned by Allah in the Qur'an are the hand of the Prophet Moses who can emit a dazzling light, the staff of the Prophet Moses who turned into a snake, the parting of the red sea by the staff of the Prophet Moses AS, the transfer of the throne of Queen Balqis in an instant to the kingdom of the Prophet Solomon, the ability of the Prophet Solomon to hear and understand the language of creatures other than humans, the ability of the Prophet Isa to communicate when he was a baby, Prophet Ibrahim who did not feel the heat when burned, the splitting of the moon by the Prophet Muhammad PBUH, the release of water from the fingers of the Prophet Muhammad, Isra' and Mi'raj carried out by the Prophet Muhammad, and many other miracles(Qutni & Damayanti, 2021). Events that were considered impossible to experience by the messengers of Allah can be partially explained in science and science.(Nasution et al., 2022) For traditionalist Muslims, the Isra' Mi'raj event is an event that is quite believed and believed without any intriguing feeling to try to research. But for academics and scholars, the Isra' mi'raj event is an interesting event to be studied from the perspective of science and science.

Isra' Mi'raj is an unusual phenomenon experienced by the Prophet Muhammad. An event of a night trip from the Grand Mosque to the Aqsa Mosque in the land of Palestine then flies up to the sky until it reaches its peak called sidratul muntaha. After that, he descended back to earth and returned to the city of Makkah on the same night as dawn in a very short time by passing through many places on earth and several places in the sky with buraq as his vehicle (Miswari & Fahmi, 2019). An event that originally could only be believed in with beliefs at that time, but thanks to science, some of the events that were considered supernatural can now be explained with more precise science with the birth of new discoveries in the form of theories. In the world of science, a physicist is able to bring great influence in science through the discoveries he makes. In his findings, a scientist is finally able to come up with a new theory and present it on the academic table, although sometimes a theory can be broken by a new, more accurate theory.(Nurhayati & Imron Rosadi, 2022)

Isra' and Mi'raj are not ordinary journeys in daily life, so it is understandable if anyone doubts these events. This kind of doubt is due to the lack of sufficient science to explain this scientifically. However, not all supernatural things can be explained by science. Because all the miracles that Allah has given to His Lords are basically debilitating (I'jaz). However, the fact is that some of these miracles can be proven to be true through the development of science and technology. (Nurhayati & Imron Rosadi, 2022)

The article on the topic of Isra' Mi'raj will examine from the perspective of physical science theory in order to uncover the mysterious curtain of the Isra' Mi'raj event. There have been several previous studies that are similar and relevant, but they are still minimal. Therefore, the author tries to analyze the results of similar previous research, including research on Isra' Mi'raj based on the study of science and the Qur'an by (Celina & Suprapto, 2020), research on

Reproductive Analysis of the Meaning of Isra' Mi'raj in Tafsir Ilmi Ministry of Religion of the Republic of Indonesia Schleiermacher's Hermeneutic Perspective by (Abdulfatah et al., 2024)research on understanding the Isra' of the Prophet Muhammad using a quantum scientific approach by (Sadiman & Karolina, 2017), Isra' Mi'raj according to Heisenberg's Uncertainty Theory carried out by (Jumini, 2016), research conducted by (Ivonia, 2018) on understanding the Prophet Muhammad's Isra' Mi'raj using a scientific approach.

In this study, there are two formulations of problems that will be discussed, namely what physical theories are able to explain the phenomenon of Isra' Mi'raj and how the view of these theories in explaining the events of Isra' Mi'raj. This research is carried out to increase scientific knowledge and insight into knowledge about a phenomenon or event that is rarely experienced in daily life and can be explained in physics. There are verses of the Qur'an that support a theory and become one of the trusted sources of science. When able to reveal the phenomenon of Isra' mi'raj from the perspective of physical theory, then a Muslim's faith will increase and be firmly planted in his chest because finding the truth is not only based on faith but can be proven by the logic of science. This is in accordance with the spirit of the Qur'an in the letter that challenges mankind to increase after knowing the greatness of the power of Allah SWT and becoming more convinced that the Qur'an is a book of knowledge that challenges to be studied continuously. Because the Qur'an is like an endless ocean full of mysteries to be revealed.

RESEARCH METHODS

The methodology used in this study was qualitative. Because it focuses on the naturalness of data sources, qualitative research is sometimes referred to as naturalistic research. Qualitative research yields descriptive information, such as spoken or written words from people and observed behavior (Margono, 2009). This study may also be described as revelatory research. One of the literary studies conducted on Al Qur'an texts addresses specific issues, such as education, economics, politics, and others, and then seeks to find the solutions to these issues provided by the Al Qur'an in the perspective of science with the concept and theory of Zero Kelvin (Abdulfatah et al., 2024). The library research approach, also known as literature research, is employed in this study, which involves gathering data from the library without conducting field work. The study approach employs a review of the literature and documents that are directly related to the topics covered. In library study, data is derived from both primary and secondary sources. Primary data sources are either data collected straight from the protagonist's firsthand experience, if the protagonist is still living, or data taken from the protagonist's written works (Harahap, 2014). The topic of study is immediately connected to this material (Azwar, 2009). The information for this study came from a work by Agus Purwanto, a theoretical physicist. A secondary data source is one from which data collectors cannot get data directly (Sugiyono, 2017). In this instance, it can be based on the findings of earlier studies as well as on published and unpublished works. Data collection approaches with documentation methods are employed in this investigation, particularly through the analysis of numerous texts pertaining to the data to be analyzed (Bungin, 2010). The inductive thinking approach, which is a process of arranging a fact or the outcome of an observation from a

separate entity or a generalization, is the analytical methodology utilized (Azwar, 1998). Second, the deductive thinking approach is the antithesis of the inductive, which entails deducing the connection from a generalization into separate points (Azwar, 1998).

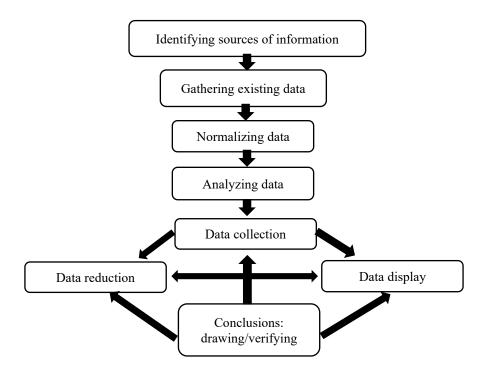


Figure 1. Research Flow

RESULTS AND DISCUSSION

Thanks to science and technological sophistication that continues to develop in today's times, humans are increasingly advanced in understanding and developing insights and science of the universe. Without the increasing development of science and technology, of course, all the miracles that occurred during the prophetic period are still considered supernatural things that are difficult to reveal with scientific science. Isra' Mi'raj is an event of the show of Allah's power that is able to do something that was considered impossible by humans in the old era, so it is not surprising that there are some people who doubt the truth of the Isra' Mi'raj event until they become apostates and leave Islam. However, this did not weaken the efforts of the Prophet Muhammad PBUH to continue preaching and lead his people to the path of truth (Abdulfatah et al., 2024).

a) The Journey of Isra' Mi'raj Prophet Muhammad

According to the language, Isra' means a journey made at night. Isra' can be interpreted as an event where the Prophet Muhammad traveled from the starting point, namely the Grand Mosque in Makkah to the Aqsa Mosque located in Palestine (Ivonia, 2018). In accordance with the name of the letter, the event of Isra' is also enshrined in the Qur'an, in the letter. Al-Isra' verse 1, which means: "Blessed is Allah, who led His servant one night from the Grand Mosque to the Al-Masjid al-Aqsa which We have blessed around him so that We could show him some of Our signs. Indeed, He is All-Hearing and All-Seeing".

The distance between the Grand Mosque and the Aqsa Mosque is approximately 1500 km. At that time, there was no technology and transportation that could take a person from a very distant place to the destination in just a few hours. In the past, it took at least 40 days to get to the Aqsa Mosque from the Grand Mosque. However, the Prophet Muhammad PBUH was able to get to the Aqsa Mosque from the Grand Mosque faster than normal time (Ivonia, 2018).

Mi'raj according to the language means stairs. Mi'raj is the journey of the Prophet Muhammad from the Aqsa Mosque up to the sky to the end point which is the farthest boundary, namely Sidratul Muntaha. Sidratul Muntaha is the highest place above the seventh heaven (Miswari & Fahmi, 2019). This event is immortalized in the Qur'an through the words of Allah in Surah An-Najm verses 13-18, which means: "And indeed Muhammad has seen Gabriel (in his original form), (i.e.) in Sidratul Muntaha. Nearby there was a paradise where he dwelt, (Muhammad saw Jibril) when in Sidratul Muntaha was covered by something that covered him. His vision (Muhammad) did not turn away from what he saw, nor did he go beyond it. Indeed, he has seen some of the greatest signs of his Lord."

In contrast to Mi'raj, Isra' occurs in the dimensions of the Earth's scope. Meanwhile, the Mi'raj journey takes place in a different space or dimension. Isra' is a journey that is carried out vertically from one location to another that is still within the scope of the Earth, while the Mi'raj journey is carried out horizontally from the Earth to space. The journey made by the Prophet Muhammad at night is known as Isra' and Mi'raj. Isra' Mi'raj Prophet Muhammad PBUH is one of the important events whose story is enshrined in the Qur'an to be believed, where the result of the Prophet Muhammad's Isra' Mi'raj journey is to receive an order to perform prayers five times a day and one night (Qutni & Damayanti, 2021).

Isra' Mi'raj is one of the most extraordinary events because it took place only about two-thirds of the night with a distance of more than a billion kilometers and a travel time of approximately four hours for an era when the sophistication of transportation had not yet been encountered. Until now, the total distance of the Isra' and Mi'raj journeys carried out by the Prophet Muhammad has not been ascertained. However, it is estimated that the total distance that the Prophet Muhammad PBUH traveled on the journey was more than 12.96×1022 km. This is because on his journey, the Prophet Muhammad has broken through the limits of matter in the universe. Based on information provided by physicists, "Cosmological theory states that the age of the universe is 13.7 billion years". So that the total estimated time is obtained as follows: (Juriyah & Suprapto, 2021)

$$t = 13.7 \times 10^9 \times 365 \times 24 \times 60 \times 60 \text{ s}, t = 4.32 \times 1017 \text{ s}$$

With the knowledge of the estimated total time needed to explore the universe, the equation can be substituted for the equation to obtain the distance that the Prophet Muhammad traveled to travel Mi'raj as follows:

R = $c \cdot t$ R = $3 \times 10^5 \cdot 4,32 \times 1017 \ km$ R = $12,96 \times 10^2 \ km$ With that very long distance, the Prophet Muhammad was able to pass through in a relatively short time, which was approximately two-thirds of the night (Qutni & Damayanti, 2021).

b) Isra' Mi'raj's Views on Heisenberg's Uncertainty Principle

Niels Bohr and Werner Heisenberg made an attempt to define subatomic properties in 1920. In this case, the momentum and position of the particle are the two established modifiers that guarantee the subatomic nature. In sum, the notion implies that there is always uncertainty while determining subatomic structure (Topology et al., 2010). According to the Heisenberg Uncertainty Principle, one can only accurately observe half of a system's physical condition. This implies that the speed calculation is inaccurate if the position of a particle can be measured with precision. Similarly, the precision of a particle's position becomes unclear when its velocity can be measured with accuracy. Heisenberg claims that this uncertainty is due to the nature of the universe rather than to one's incompetence or the limitations of available resources. Because we are not perfect beings, it seems that the subatomic realm cannot be understood. Humans are unable to overcome certain limitations. Allah SWT is the only one who is flawless and all-knowing.

There are differences of opinion among scholars regarding the journey of Isra' and Mi'raj carried out by the Prophet Muhammad. Most of them argue that the Prophet Muhammad PBUH was on the journey of Isra' and Mi'raj with his spirit and body. Some argue that only the spirit of the prophet Muhammad PBUH traveled Isra' and Mi'raj. Because at that time the Prophet Muhammad was seen at Umi Hanik's house (Rochmat, 2020). However, at the same time a group of trading caravans saw the Prophet Muhammad in their midst in the desert on their way home (Hasib, 2022). And the last testimony is that the Prophet Muhammad prayed in congregation at the Aqsa Mosque after traveling Isra' Mi'raj. When the Prophet was praying at the Aqsa Mosque, Allah ordered all the angels and prophets in the sky to come down to Jerusalem. The Prophet Muhammad PBUH was appointed as an imam to perform congregational prayers with the prophets and apostles, and as well as the angels (Nashrullah, 2024b).

It can be concluded that there were three apparitions of the Prophet Muhammad in different spaces at almost the same time. The appearance of the Prophet Muhammad PBUH who was in a different place at the same time is in accordance with the explanation of the Heisenberg Uncertainty Principle. Where if momentum is found, the positions will blur and will accumulate with each other and can be anywhere because the value of the wavelength leads to infinity. Thus, the Prophet Muhammad could be anywhere at almost the same time, in one body and soul. This is in accordance with the opinion of the majority of scholars who state that the Prophet traveled Isra' and Mi'raj in one body and spirit, as understood by the meaning of *bi 'abdihi* (Nashrullah, 2024a).

c) Isra' Mi'raj's View in the Zero Kelvin Theory

Isra' Mi'raj can be explained in the Kelvin Zero Theory. While carrying out the journey of Isra' and Mi'raj, the Prophet Muhammad was witnessed in various places at the same time.

This can be proven in physics theory by experiments on microbodies. In the same year that Bohr and Heisenberg attempted to determine the properties of subatomic properties, in 1920, Indian physicists Satyendra Nath Bose and Shahdan Einstein worked together to formulate the Bose-Einstein law of condensation. Bose-Einstein condensation occurs when the temperature of a matter is lowered to near absolute zero (zero Kelvin), then the momentum value of the material will be close to zero as well. This means that the matter and atoms in it will not move (Juriyah & Suprapto, 2021).

On June 5, 1995, the Zero Kelvin Theory was tested by Eric Cornel and Carl Wieman in the University of Colorado laboratory for boson particles using rubidium gas. They lower the temperature to 0.000000001 degrees above absolute zero. The results of the study were then published on July 14, 1995. The test was developed on fermion-type atomic subparticles in 1997. The results of the two trials are also the same as the hypothesis formulated by Syahdan Einstein and Satyendra Nath Bose. Particles are cooled with temperatures close to zero Kelvin, impacting smaller and near-zero energy as well. In addition, the particles create a new form, not in the form of a gas, not in liquid form, not in solid form, nor in the form of plasma. This new shape occurred because it violated the laws of physics on matter, including Pauli's exclusion principle and the law of gravity. This new form is known as the New State of Matter, in which the collection of particles seems to cluster and act like a single particle, caused by the value of the wavelength towards infinity and the frequency getting smaller. With a known momentum (close to zero), where the particles almost lose the aspect of their wave vibration, the position of the particles can be anywhere, including stacking each other into one (Du et al., 2013).

d) Isra' Mi'raj's Views on the Theory of Annihilation

In Surah Adz-Dzariyat verse 49, Allah explains that he created everything in pairs. This statement is in accordance with the theory of annihilation, which states that each matter has its anti-matter. When a matter is met with anti-matter, what happens next is that the two particles will be destroyed and replaced by light known as gamma rays. The statement states that matter can be transformed into light. Perhaps this theory is relevant in proving the phenomenon of Isra' and Mi'raj of the Prophet Muhammad (Celina & Suprapto, 2020).

It is estimated that the annihilation process occurred after Archangel Gabriel purified the heart of the Prophet Muhammad using zam-zam water when Archangel Gabriel lifted the Prophet Muhammad (PBUH) from his bed beside the baitullah. After being cleansed with zamzam water, then the angel Gabriel poured the value of faith and wisdom into the heart of the Prophet Muhammad. Because the Heart is the central point of human energy (Ivonia, 2018). With the cleansing of the heart of the Prophet Muhammad SAW, there will be a reaction with its anti-matter. So that the body of the Prophet Muhammad SAW turned into light. Because the Isra' Mi'raj event is a journey that travels a distance of more than billions of kilometers. By using the speed of light, of course the journey can be completed overnight. This theory is also relevant to explain that the journey of Isra' and Mi'raj was carried out overnight.

CONCLUSION

From some of the physical theories described above, it is more or less able to explain the events of Isra' Mi'raj, such as the Zero Kelvin Theory and the Heisenberg Uncertainty Principle. Heisenberg's Uncertainty Principle states that a person is only able to observe half of the physical state in a system carefully. In other words, if the known quantity is momentum, what happens is that the position becomes faint and has the possibility of being stacked, and is everywhere in space and time. Because the value of the wavelength goes to infinity. Likewise with the Zero Kelvin Theory, which is when particles are cooled with a temperature close to zero Kelvin, it will have an impact on energy that is getting smaller and closer to zero as well. If the energy of the Prophet Muhammad weakens, what happens is a wavelength towards infinity. Thus, the Prophet Muhammad could be anywhere at almost the same time. These two theories can explain the testimony of the Prophet's companions and the caravan who saw the form of the Prophet Muhammad PBUH at the same time.

Despite all the science and technology that is developing, as an ordinary human being, we certainly cannot be sure that the theory is absolutely true, because all theories are relative because they depart from the point of view of human reason. Meanwhile, human intellect is very limited in its ability to reveal all of Allah's most powerful creations. So it is natural that there are still shortcomings and limitations in associating the Isra' Mi'raj event with science. However, as humans, we are required to seek knowledge and select existing theories that are considered correct as a sign that we have used the intellect that God has given us to think. The study of the Isra' Mi'raj event and its relation to physical science is also expected to increase our faith as Muslims to justify the words of Allah SWT.

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