

Economics with Mathematics and 19 Of Covid on Hahslm Method

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Abstract---This study aims at finding a link between Islam and one type of science, math and economics. Through this study it clarified that in mathematics related to Covid-19 and economics there is a near connection between Islam and number 19. This work uses analytical approach to systematic analysis and the study of literature. The technique takes advantage of the Hahslm approach and comparative study. Books, guides, articles, online and electronic media data sources. The results of this analysis are 19 God Worship symbols which mean God formed on the basis of worship. Only the number 19 is stored by process H which is 472319. The reward or adoration is on the hand of Allah. The origin is discovered in number 19 (one nine), until there is a world which is then worshipping Him. The number 19 appears in the Quran and the word Covid-19 appears in the virus. Covid-19's effect has caused instability in Indonesia and globally. Mathematics forecasts economic instability in the form of a model for forecasting the downturn and reversal of Indonesia's Gross Domestic Product (GDP) economy, which will rebound, along with the safety and hope of having a vaccine in the future.

Key words: Mathematics, 19, Covid, Economics, Hahslm

I. INTRODUCTION

1.1. Background

The integration of science and religion still tends to be a discourse. However, there is no concrete evidence that shows that science and religion are integrated or can be integrated (Awan, 2009). In mathematics there are also terms of numerical or gematrical values. The numeric value of a letter is the number that is paired on that letter (Nasution, 2013). The number 19 is a prime number. Where prime numbers themselves have meaning that is the original number which has a value of 1 and has 2 dividing factors, namely 1 and the number itself (Shah, 2014). Therefore this number 19 cannot be divided by other numbers. It also shows the nature of God that is not owned by each of his servants. In mathematics there is also a non-normal hexagon magic, which consists of 19 cells.

The number 19 has many meanings and features both in daily life and in the revelation of God that is Al-Qu'an. Aside from mathematics, the Qur'an also talks about numbers. In the Qur'an, it is mentioned several numbers such as one (wahid), three (tsalaatsah), seven (sab'ah), and nineteen (tits'a 'asyarah) (Irawan, 2005). It should be realized that

indeed in the Qur'an there are mathematical structures as well as systematic calculations and regularity of the number 19 pattern (Iryani, 2017).

In the Qur'an, there are 38 different numbers mentioned. Of the 38 numbers, 30 are natural numbers and eight are fractions. The mention of the numbers and letter numbers where the numbers turn out to have a certain pattern. The number of mentions of numbers is also regulated by a certain pattern.

The number 19 is also the first and last positive number, namely 1 and 9. One (1) means the Most Single, that is Allah created the heavens and the earth and their contents. One (1) is also the first number that appears before the other numbers. The meaning of the earliest number is the same as the meaning of the First or First, namely the Creator is Allah. Nine (9) is the largest number of numbers that exist from 1 to 9, so the number 9 means the greatest results in the form of rewards obtained from worship, especially prayer.

The combined meaning of 19 (one nine) is 'to 1 to 9' or interpreted as 'to Allah for Worship'. Some studies suggest that the meaning of 19 * one nine) is the beginning and the end. This translation is ambiguous because 1 element is explained by 2 symbols. It would be more logical if 1 element was explained by 1 symbol and 2 symbols explained 2 elements.

The number 19 (one nine) is certainly more accurate with the argument that the number 1 is for Allah and the number 9 is not for Allah but for other elements, which are close to Allah, that is pahal or salat. This is in accordance with the expression of scholars who always say "hopefully the reward will be accepted by Allah".

Humans feel the reward is better to be close to God than close to human beings. Humans want to be sent far away so they can be close to God than the reward is only near humans. This description provides confirmation that the number 9 is a symbol of reward and not a symbol of God.

The rationale for number 19 (one nine) is a symbol of God Worship will create a new scientific treasure in mathematics, science and Islam. So far, researchers only rely on the one highest element, God. There's even an American parliamentary principle that says 'In God We Trust'. With the second element besides God namely worship that attaches to the existence of number 1 or God,

worship will become a new element to analyze its function and existence in mathematics, science and Islam.

In addition, the number 19 is also found in the writing of Covid-19 which was formalized by the World Health Organization (WHO) which had previously been agreed based on guidelines between WHO, the United Nations Food and Agriculture Organization (WHO, 2020).

The recommended steps to prevent this virus are frequent hand washing, physical protection from others, covering the face when coughing, wearing a mask, and not touching the face area, especially the mouth and nose.

Covid - 19 has hit almost all the countries in the world which certainly has a negative impact on everyone (Hamid, 2020). With the existence of this pandemic, a lot of community activities have changed. Previously working outside now forced to do Work From Home, which means working at home. Not too many workers have had to lose this job because of this outbreak.

But the focus this time is the negative impact caused by the covid plague for a country, one of which is the most affected, namely the economy. With this virus, the economy of a country will decline. Even the effects have been felt by many workers.

1.2. Purposes

This study aims to answer questions about the problem by:

1. Analyze idiosyncrasy of number 19 in mathematics and its relation to Islam and Hahslm.
2. Analyze the number 19 in naming Covid-19 and the turbulent economic impact in the future.

II. THEORETICAL BASIS

2.1. Mathematics

Mathematics is a Science that is central in daily life and mathematics has been known since early age (Huda & Mutia, 2017). Number 19 is an integer which is also an odd number and a prime number or a number that is not divisible by other numbers. Peter Plitcha, a chemist from Germany argues that, it seems that all mathematical formulas and numbers relate to the two mathematical poles of the universe (Whiteside, 1978). In addition, the number 19 has a feature because it consists of two numbers where the number one is the first number in numbers and the number nine is the last number in numbers.

Mathematics 19 is mentioned in Al-Muddaththir [74] verse 30, which reads:

عَشْرَ تِسْعَةَ عَظْمًا

“Over it are nineteen (angels)”

The secret that belongs to the Almighty in determining the time, when it is time to veil the

secret of the creation of the universe for the benefit of man (Aziz, 2019).

2.2. Hahslm

The Hahslm theory comes from QS. Al-Hijr [15]: 87 which stores the meaning of number 19 in it. There are 2 (two) main words in this verse, 7 and the Quran. The word Quran can be mathematically converted to the number 2319 which is a factor of the number 114 (one hundred and fourteen) or the number of letters in 1 Quran. After being converted, we get the numbers 7,2,3,1 and 9. There is a new number that appears, the number 4 which is mathematically the sum of the previous numbers (7,2,3,1,9) where the number 22 can be rooted into number 4.

Maths Hahslm brings up 6 numbers, 472319, which are stored in a verse in the Quran. From the mathematical theory Hahslm then produces a conversion to letters, the formula H-hahslm or known as the Hahslm formula. The meaning of this formula is an indication of man's straight path to Allah by worship.

2.3. Covid-19

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) or better known as Covid-19 is a new type of virus that can be transmitted to humans (WHO, 2020). In many cases, this virus causes both mild and severe respiratory infections. This virus was first discovered in the city of Wuhan, China at the end of December 2019. This virus has also spread to many countries, including Indonesia. In general, people infected with this corona virus cause three main symptoms, including body temperature above 38 ° Celsius, coughing, and shortness of breath (Nishiura, 2020).

2.4. Economics

Economics is one of the social sciences that studies human activities related to the production, distribution and consumption of goods and services. The economy itself comes from Greek, which is "oikos" which means family, household; and "nomos" which means rules, rules and law (Aziz, 2016).

Economics is widely discussed in a special science known as Economics. Economics includes sociology, history, anthropology, and geography. Economics is also divided into several parts in applied science including consumption, distribution, production, and trade. In the economy there are also three main sectors, including the primary sector, secondary sector, and tertiary sector. This primary sector is a sector that utilizes natural resources directly. From the primary sector raw materials are obtained by the secondary sector.

III. METHODOLOGY

3.1. Hahslm Method

The life system that exists in humans, in the surrounding environment, and the universe begins with the concept of Islam, in other words the concept of early creation is Islam. The word Islam has a three-letter root word, which is the letter 's' or sin, the letter 'l' or lam, and the letter 'm' or mim. There is a verse that supports the ontological meaning of Islam, namely QS Ali Imran (3) verse 19, which reads:

إِنَّ الدِّينَ عِنْدَ اللَّهِ الْإِسْلَامُ

” Indeed, the religion in the sight of Allah is Islam...” (Q.S Ali Imran [3]: verse 19)

The definition of H theory according to Aziz (2016) is:

1. Narrowly Theory H is defined as the three dominant archetype theory with a specific context in five dimensions of invariant arrangement
2. Broadly for the most general use Theory H can be interpreted as a basic concept theory of the pattern of creation with certain relationships. H comes from the formula Hahslm, AL-Quran Surah Hijr, also stands for Huda or life.

3.2. Type of Research

This type of research is descriptive by analyzing, describing, defining, describing, or explaining the number system 19 with Covid-19, economics and H Theory. This research was conducted with literary studies looking for theoretical references relevant to Mathematics 19, Covid-19 and economics.

3.3. Research Scope

The scope of the number 19 in Mathematics, Islam, and also Covid-19 and the economy due to the pandemic.

3.4. Data Collection Method

This research uses secondary data obtained through intermediary media. This data can be obtained through books, records, existing evidence, or articles and journals that have been published for reference.

3.5. Hahslm Methodology

This study uses the Hahslm methodology by incorporating the value of worship into data processing. Qualitatively, in the Hahslm methodology the meaning of kauniyah is the same as kauliyah.

initials of letters and other structures, but explicitly themselves. In QS. Al-Hijr [15] verse 87 says that Allah has given 7 repeated and great Qur'an. The interpretation "7 that is repeated" is number 7. The interpretation of "the great Quran" holds the meaning of the number 2319 in the form of multiplications totaling 114. The letters are used as symbols for numbers known as "abjadun" (Abdussakir, 2006).

Table 1. Numerical Value of Hijaiyah Letters

Letter	Numeric Value	Letter	Numeric Value
Alif	1	Sin	60
Ba'	2	Ain	70
Jim	3	Fa'	80
Dal	4	Shad	90
Hha	5	Qaf	100
Wau	6	Ra'	200
Za	7	Syin	300
Ha'	8	Ta'	400
Tha'	9	Tsa'	500
Ya	10	Kha'	600
Kaf	20	Dzal	700
Lam	30	Dhad	800
Mim	40	Dzad	900
Nuun	50	Ghin	1000

Source: Abdussakir, 2006

The numeric value in Basmalah can be determined to be a numerical value of 786. ngka 30, which is the 19th composite number and also the number of juz in the Qur'an (Shah, 2014).

The number 19 appears in the verses of the Quran and the term Covid-19. The proof of the Kauniyah verse in the form of a virus with 19 appears and in the Kauliyah verse there is also a number 19. There is verse 3.19, the meaning of verse 19 and there is the meaning of the verse which stores the number 19. This number 19 can be interpreted that with the presence of this corona virus, human existence is being returned to function Its origin is for worship. With Work From Home (WFH) or work from home, aka the behavior of people around the world change all that results in health and crisis. It turns out that economic problems are not caused by material or money problems. The global impact originated from small micro creatures, the corona virus. And humans begin to realize that there are intangible values that are not physical that must also be included in every activity in the world, namely worship. In Islam, man was indeed created by God with the idea of worship. In humans, symbols of worship are stored. God created humans starting with the worship model not the human model itself.

IV. ANALYSIS

Theory H contains the number 19 from the number 472319. The Quran also mentions the number 19 implicitly repeated several times, both in the numerical number of lafadz basmalah, the

The number 19 is also contained in the naming Covid-19 which is the beginning of the spread of the corona virus outbreak, namely at the end of December 2019. This spread was first found in the city of Wuhan, China. The beginning of the spread of the covid virus there were 266 people infected in China at the end of December (Mukharom, 2020).

The case of this virus which was initially observed in Wuhan province, China, has now spread rapidly to various parts of the world (Nadeem, 2020). Looking at the data presented, the total cases exposed in the world reached 1,783,948 people. Of this total there are 1,270,050 active cases with 1,219,431 people with conditions that are not too severe and 50,619 people in serious conditions, and there are 513,898 cases of which 404,939 people recovered and 108,959 people died (worldometers.info, 2020). In Indonesia alone the covid-19 case first spread in Indonesia on 2 March 2020 where there were 2 people infected with the virus. Until now the Covid-19 case is growing.

At present there is still an increase in the number of covid cases which are not insignificant. If seen from the graphs and data above, the total cases in Indonesia are increasing from day to day. This made the government implement the PSBB (Large-Scale Social Limitation) policy. Where in this policy there are several rules, including the school and college systems being online, where the use of this online learning system cannot be avoided (Zaharah & Kirilova, 2020); the work system becomes WFH or Work From Home; religious restrictions; restrictions on activities in one place; restrictions on social activities; restrictions on transportation rules; and others. Therefore now cannot socialize with people like before the existence of this virus.

In this co-19 pandemic, the condition of the Indonesian economy began to decline. The Indonesian economy is estimated to grow 2.5% in 2020. According to the Finance Ministry's prediction, the Indonesian economy will slow down in 2020 due to Covid-19, recovering gradually in 2021. Which means a decline of 2.5% from the previous level. However, if quoted from CNN Indonesia, the republic's finance minister said that the projected economic growth would only reach 2.3%. Even if the condition worsens, this economic growth can be minus 0.4%. This is due to falling consumption.

With the existence of this pandemic, there are some of the sectors most affected by this pandemic, including MSMEs, and tourism and its derivatives such as transportation, hospitality, and restaurants. The impact of co-19 for these SMEs is enormous. with the existence of this pandemic, the SMEs experienced a very significant turnover decline which initially could sell many products now only a few were sold. There are not many MSME actors who change their sales methods. Who initially opened a shop in a shop is now forced to close

because of this pandemic and switch to using a digital platform in its marketing activities and reduce operational costs. Even though they easily utilize digital platforms in their marketing activities, the turnover they get is still not as much as those selling in stores.

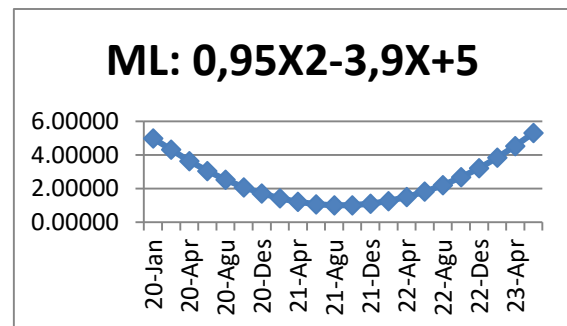
The SMEs are now starting to complain because of the decline in their sales. This is due to a decrease in people's buying interest and hampered distribution. There is not much reduction in staff due to this, which can cause these employees to now have no income so they have difficulty meeting their daily requirements.

The MSME sector, the tourism sector and its derivatives are also affected. Be it transportation, hospitality, and restaurants. Where we know now many tourist attractions are closed, the PSBB policy that makes travel agent activities are approaching zero transaction or no travel transactions at all. So that many travel agents who close their activities.

Domestic travel agents have also been affected because public interest has declined, especially now that policies are not allowed to go home. Make travel agents more frozen. Many travel agents since the beginning of March are no longer operational, making the travel agent companies no longer get income. If this happens, the travel agent's employee will be laid off because of the weakening of the company's agent.

MSME requires an analysis of future predictions, to analyze changes in Gross Domestic Product (GDP) in the future. Mathematics can be used to create a formula for the reduction in economic impact of the PSBB or Moderate Lockdown applied by the government. After the community carried out strict social distancing, the Covid-19 transmission began to decrease. Mathematics can make economic predictions with the Moderate Lockdown (ML) formula: $0.95X^2 - 3.9X + 5$.

Picture 1. GDP Chart with Moderate Lockdown (ML)



Source: Analysis, 2020

With the enactment of Moderate Lockdown as in Indonesia will experience changes in GDP. The results of the analysis above are data on changes in GDP from January 2020 to June 2023.

Since the enactment of the Moderate Lockdown, the loading of a country has gradually decreased. In January 2020 a country's income shows a figure of 5.00005 and has decreased until August 2021. Where in August 2021 it is the lowest point of a country's revenue which shows a country's revenue of only 1,00005, namely in August. And began to increase again from October 2021 until June 2023. Indonesia in May-June 2020 showed a decline in GDP due to the enactment of Moderate Lockdown. And GDP will recover in a direction that is more in line with the health process due to Covid-19 and hopes for the discovery of anti-virus drugs and vaccines next year.

V. CONCLUSION

The number 19 in mathematics also turns out to be found in Islam. Many numbers 19 in Islam that can be known as the meaning of God and the commands of worship are stored in Theory H. Mathematics 19 and Covid-19 and Theory H which stores the meaning of 19 is a symbol of God's greatness. And the purpose of this created universe is worship. God initiated the creation of the meaning of worship not by the human model.

The number 19 has something in common with the naming Covid-19 which makes a global pandemic. With this pandemic, Indonesia's economic growth has fallen from the previous year. GDP has fallen, the world economy has contracted, and will come along with discipline for Social Distancing and vaccine expectations in the coming year.

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