



ELEVEN MAIN CRYPTO OPPORTUNITIES FOR SOCIETY

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Abstract:

In the wake of the financial crisis in the wake of the 2008 financial crisis, Bitcoin was born as the world's first currency password. This has led to many forms and threats for human society.

This research, with the benefit of the views of the statistical community equivalent to that of an expert, is looking for or questioning the question "What is the secret of the secrets of the mysteries?" He said.

The design of this research was descriptive and non-experimental. The research method used was quantitative and qualitative and was a tool for collecting information, documents, records, and interviews that was done in a library and field manner and the information obtained using Afrasssssssss software.

The results indicate that currency codes can provide 11 opportunities **including**

- 1 - easy transfers**
- 2 - quick transfers**
- 3- free access: Removal of intermediaries and non-control of government**
- 4 - organizations. Full control of assets by an individual**
- 5 - Non-limitation of financial transactions**
- 6 – Privacy**
- 7 - variety in the investment basket**
- 8 - digital Meteorology**
- 9 - transparency and lack of intelligence**
- 10 - cost-effective**
- 11- the possibility of signing a smart contract for the community.**

Introduction:

Many new technologies, despite their many advantages, have unknown challenges and it takes years to identify their positive effects and adverse consequences in society. One of them is the new Yoli unit called the currency/ currency code, which is expanding day by day in relations between humans. Many scholars have argued that such mysteries in the field of economics and financial transactions may have adverse events, but they also have many benefits, of course, that their dimensions are still unclear and hidden. Accordingly, it is necessary to examine their positive and negative aspects so that by accurately recognizing the nature of this new yuli unit and its challenges, this technology can be used well and better.

The concept of digital currency was introduced 46 days from the bankrupt Lehman Brothers, an event that marked the beginning of the second major financial crisis in human history (Friedman and Friedman, 2009 Knight, 2009; Yartno, 2013, was ignored by the public for a long time.

Although this concept has existed since 2008 (Nakamoto, 2008, and since then thousands of new structures and structures have been created from the mysteries of currencies, it is still a very modern issue. The benefits of this kind of evil have led to an increase in the popularity of cheap currencies, especially in the 2017-2015 period, and to bring their prices to unimaginable levels, and the price of bitcoin in 2017 reached around 20 dollars (Higgins, 2017)

Typical features of cryptographic currencies such as decentralization, flexibility, and anonymity lead to a situation in which digital currencies are an interesting mechanism for those who wish to circumvent the law and commit illegal acts such as Yoldish dark market crickets are like dark web or even financing terrorism (Houben & Sanyers, 2018; Keating, Carlisle, & Keen, 2018; Keidar & Blemus, 2018).

But there are also advantages in currency codes, while cryptographic currencies from laboratories were transferred to international conferences of universities and board meetings and central banks were discussed by representatives of private and public sectors as well as by ordinary people the currency code has largely remained a new issue, and so far there has not been much clarity in this regard. The main question of this research is, "What is the opportunity for passwords? This article is provided for Yasch.

Theoretical framework:

Opportunities:

accurate identification and review of the external environment can showcase new opportunities for managers of the organization. The same opportunities can initiate a new path to development and growth. Opportunities can include: Customer's unmet need, forgotten market recognition, the emergence of new technology, reduced legal constraints, the removal of barriers to global trade, changes in the status of laws or competition, and so on Okay) Fahimeh Kianian, 25:1397

Threats:

are an undesirable success in the organization's foreign environment. Things like: Opponent's bargaining power, major changes in technology, changes in customer tastes and ... Which causes the customer to distance from our products) Fahimeh Kianian, 27:1397

Currency Code:

A decentralized, encrypted virtual currency whose transactions are done in a peer-to-peer manner. In the currency code, we do not need a central intermediary agent such as a bank or financial institution and acts on the basis of hiding the identity of the users.) Amir Hossein Shabani, Mohammad Mohseni Dehkalani, Saeed Ebrahimi, 210:1399

Bitcoin:

Bitcoin is a encrypted currency, a virtual currency designed to act as money and a kind of payment outside the control of any person, group or entity, thus eliminating the need for third-party involvement in financial transactions. Chinese balloon banners are rewarded for work done to confirm transactions and can be purchased in several exchanges. <https://www.investopedia.com/>

Governance:

The process of rule, implementation of rules, review, monitoring and application of feedback by exercising legitimate power and in order to achieve a common goal for all actors and stakeholders in the framework of values and norms in an organization or country.) <https://governance.school.ir/fa/page/576>

Research background :

Research activities conducted in Persian in the field of exchange password opportunities are summarized in the table below:

item	Researcher name	research	Year and place	results
1	Semihalsadat Miri Lavasani; Bahare Heydari; Aliakbar razmjo; Muhaddith	Examining the position of the currency law National Digital	New achievements in science studies Human: June 2018, second year -Number 31	Opportunities: 1- Passing the sanctions and moving towards the economy resistance 2 -The possibility of international exchange
2	Rezvaneh Nadaf - Cambys Fargandoost haghghi	An overview of cryptocurrencies. Opportunities and threats	New research approaches in Management and accounting: Winter 2017 - Number 9	Opportunities: 1- possibility of international financial exchange 2 -high transmission speed 3- Absence of intermediary institution 4- Avoiding sanctions 5- Attracting foreign investors
3	Fatemeh azizi , hadi soleymani	Introducing Bitcoin and the Challenge Its security	Passive defense - winter 2018 - Number 40	Opportunities: -1 Decentralization
4	Naser ghasemi	Opportunities and threats digital currencies; study A case of selected countries East Asia	Scientific Quarterly of World Politics, Course, 10 issues, 3 Bahar 1400	Opportunities:1- Increasing the usefulness of economic activities- 2 opportunities for countries with a banking system weak3-Reducing activity costs 4- Increasing the financial transparency of transactions 5- Increasing the power of entrepreneurs.
5	Davood Pashafoomeshi	Identify opportunities and Threats ahead Investment in mining and buying and selling digital currency in country	12th International Conference Information technology, computer and Telecommunications, winter 1400	The most important investment opportunities in crypto Currencies include: - 1 Anic extraction is considered an industry. 2- It has very high decentralization. 3- Cryptocurrencies have tangible value. 4- They have a high liquidation rate. 5- They have high investment returns. 6- They have high transparency. - 7 are considered long-term assets. 8- They are easy to access.
6	Naser ghasemi	Opportunities and threats digital currencies; study A case of selected countries East Asia	1400	Opportunities:1- Increasing the usefulness of economic activities- 2 opportunities for countries with a banking system weak3-Reducing activity costs 4- Increasing the financial transparency of transactions 5- Increasing the power of entrepreneurs.
7	Amin Pourmohamed Ali and Shahla Eskandari	An overview of cryptocurrencies, opportunity and threats and prospects the future	The second industrial engineering conference, Management, accounting and Economics (1390)	Advantages of cryptocurrencies: -1 Freedom in payment and international access 2- High speed in international transfers and cross border 3- Non-creation of money indiscriminately and in the economy Inflation control 4-Using virtual currency under sanctions Iran - 5 possibility of tracking and transparency

				6. The relative advantage of Bitcoin mining 7- The possibility of removing the embargo by removing the dollar 8- Attracting foreign investors 9. Low transaction fee
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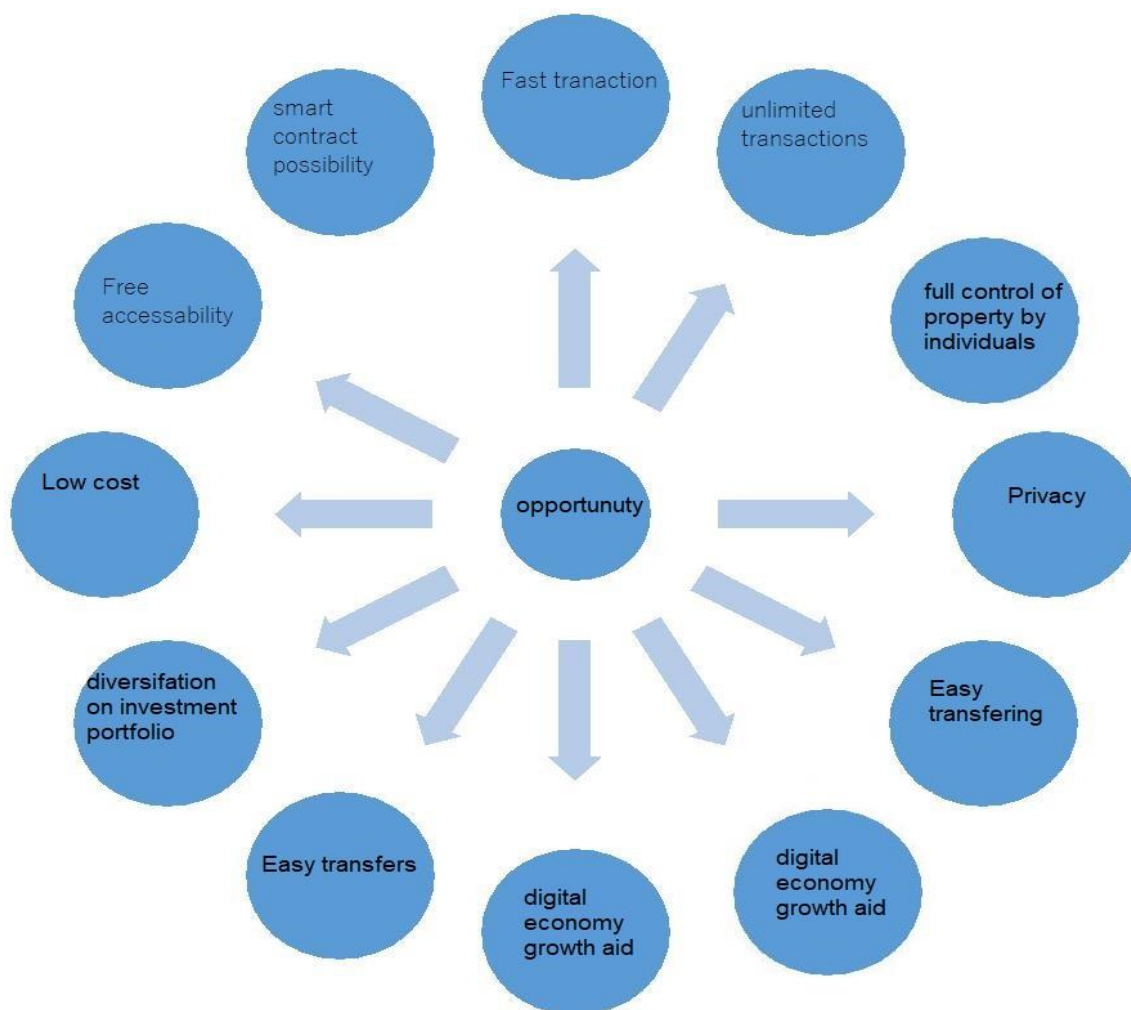
Backgrounds in foreign languages :

The works done in foreign languages are summarized in the table below :

item	Researcher	Tesearch title	Year and place	results
1	Maru counties Sandeep Kumar ChaganAllah Sushmita rouge	Article: survey about Security and privacy issues Private Bitcoin	2017	Opportunities: 1. Full control over assets by individual 2- Lack of control by government institutions
2	David Cohen Lee Lee Joo Yu Wang	Cryptocurrencies / new investment opportunity	2018	decentralized flexible transparent quick low cost
3	Kaypa katayezina	Cryptocurrencies: Opportunities, risks and challenges to fight corruption systemic	Warsaw School of Economics, Poland - 2019	Opportunities: 1 -Helping the growth of the digital conomy 2- independent payment system 3. Profitable investment 4 -Tax evasion
4	David W Perkins	Cryptocurrency: The Money Economy and related issues policy	States Congressional Research Service United States of America (CRS) 2020-	Opportunities: - 1 economic oom 2.Preservation of privacy 3-Independence from centralized institutions and authorities Unlimited transactions
5	George Daniel Babrick	Article: security threats national due to use Wide range of cryptocurrencies	Bucharest National Defense University (2021)	Opportunities: 1. Low transaction costs 2. High level of security 3- ninterrupted availability of funds 4-Investment profitable 5- Elimination of time spent in physical banks 6- Elimination of bureaucracy 7-Improving banking services 8. The ossibility of easy transfer of digital currencies
6	Falmore onjaco gliora eorgieva Emilia Metva	Article: Cryptocurrencies Done: advantages and disadvantages	Goche Delchev Stipe University Macedonia (2022)	-1 Easy money transfer 2. Minimum cost in money transfer -3 Being anonymous 4-Preservation of privacy and confidentiality 5 - The possibility of unlimited transactions 6-Being without borders - 7 lack of concentration -8 transaction speed 9 - Transparency

Conceptual model

Given the opportunity to study the documents in the research room, the opportunities were divided into eleven main sections, which were summarized as follows.



cheme1 - the opportunity to password the currencies extracted from the documents

item	Cryptocurrencies opportunities
1	privacy
2	Unlimited transactions
3	Transparency and non-manipulation of information
4	Free access
5	Diversification in the investment portfolio
6	Full control over the property by the individual
7	Easy transfer
8	Low cost
9	Contributing to the growth of the digital economy
10	fast transfers
11	The possibility of entering into a smart contract

2 - Research methods

In order to investigate the opportunities of code of currencies, the use of libraries to formulate theoretical foundations of research has been used from interviewing tools and questionnaires. This means that questionnaires containing policies related to research variables are prepared and between the scholars and experts of the field of mastery in the fields of digital cheap and modern technologies (block chain) and are specialized in this approach and the distribution of shield asset. Reliability and reliability of the questionnaire (reliability and validity of measurement tools) have been carried out through statistical tests and the information provided has been investigated and concluded.

3. Statistical population of research

The statistical population of the present study, Shiyimmel, is 50 of the scholars and experts of Shiyhiyahl in the field of digital currencies and modern technologies (block chain), have a special insight into this field and is as follows:

item	degree	numbers
1	bachlor	15
2	Master	25
3	doctorate	10

This research comes up with an applied research, because its purpose was to develop applied knowledge in a particular field.

5 - scope of research (time, place and subject):

1-5-3 spatial realm: Iranian rule

2-5-3 the realm of time: 1401

3-5-3 subject area: Password opportunities

6- volumes of statistical sample and sampling method:

Due to the limited statistical population, the statistical population has been fully developed as a sample society.

7- methods and tools for collecting food

Questionnaires, interviews, documents and two methods of libraries and field were used to collect information in this research. To collect information on the theoretical foundations and research literature, resources and study of libraries that include authoritative articles and coats related to the subject of research have been used. To collect data from a field method (distribution of questionnaires among respondents) has been used.

A (library method)

A library method has been used to collect information on the background of internal and external studies. Using the capture of kata, end-names, research and studies of other researchers, specialized and related fields of information are collected.

B (field method)

Direct observation of events in natural environments by the researcher is essential for the base of a science, and if sociology avoids this naturalism, this scientific base is threatened. Interviews and questionnaires were also used to collect information in this study.

8 - validity and validity of the tool for collecting food

The validity of the word "Rwa" means permissible and correct, and "validity" means the correctness and correctness of the acidity. (Earth, 1401, (288) the narrative of this acidity, which measures the scale and content of the tool or the items contained in the tool precisely the variables and subject under study, means that both the data collected through the surplus tool is not based on the need for research and also a part of the data the required variables in relation to the variable range in the content of the tool are not deleted, or in other words, the same reality is not well illustrated.) Earth, 1401, 155 The result is close to the result of the "reliability" of the key that if the measurement tool is given several times a short interval to a single group of people. To measure "reliability", an indicator called "reliability" is used and its size varies between one and zero. The ultimate sign of the instability and the reliability of the final one represents the complete reliability of the essential. A test should be stable so that it can be done and the reverse relationship between the two is not necessary.) Earth 1401, 245 .

The narrative of the questioner was calculated in two ways. First, through a survey of experts and technicians on the content of the survey, 11 experts (including university professors and related managers in the organizations studied) confirmed it and the second in the way validity of "content It has been shown that the city covers about 70% of the total. Calculating the reliability of the questionnaire through the "re-testing" means that 10 questionnaires were distributed between managers and engineers, and 15 days later, were re-distributed among the same group and the reliability and internal consistency were calculated .

The reliability of the two half-tools is 0.875%, which indicates the correlation between the sum of the questions in each group and to check the reliability of the entire tool (questionnaire) from Spiriman-Brown's advantage, you will see the amount of this Zia as 0/885, which shows the reliability of the measuring tool to measure the indicators, they are at a high level .

Reliability statistics			
Cronbach's Alpha	Part1	value	0.855
		N of Alpha	10a
	Part 2	value	0.824
		N of items	10b
		Total N of items	20
		Correlation between Forms	0,875

9- Data analysis methods:

Data analysis is a multi-step process in which data collected in various ways In summary, they are categorized and finally processed in order to establish the context of various types of analysis and communication between the data

The purpose of testing the hypotheses provided. Today, in most of the research that is based on the information collected from the subject of research is information analysis, one of the main and most important parts of research and the raw data are analyzed using statistical methods and after processing is provided to users in the form of information.

In this research, the data were analyzed descriptively and inferentially in the qualitative part and in the quantitative part In order to describe the mentioned data, spss software was used.

Table no 1: research summery

Research design	Non-experimental, descriptive
research method	Quantitative and qualitative
collection tool and directory	Library documentary information collection
information analysis tool	Inferential and analytical statistics
calculations	computer
software	spss
purpose	Functional and developmental

Descriptive and inferential analysis of research question : Cryptocurrency opportunities

A) Descriptive analysis:

Table-2 statistical indicators of questions related to cryptocurrency oppotunities

question	Number	Average	Standard Deviation	Variance	crookedness	Elongation	range	min	max
1	50	4.25	0.657	0.432	-0.649	1.251	2	3	5
2	50	4.75	0.480	0.313	0.035	0.179	2	3	5
3	50	4.33	0.637	0.405	-0.412	-0.561	2	3	5
5	50	4.43	0.537	0.288	-0.115	-1.162	2	3	5
5	50	4.83	0.677	0.458	0.611	-0.681	2	3	5
6	50	4.65	0.586	0.343	-0.002	0.001	2	3	5
7	50	4.45	0.687	0.472	-0.865	-0.441	2	3	5
8	50	4.18	0.668	0.446	0.232	0.095	2	3	5
9	50	4.66	0.572	0.328	-1.483	1.252	2	3	5
10	50	4.21	0.671	0.450	-0.273	-0.779	2	3	5
11	50	4.29	0.658	0.462	-0.765	-0.447	2	3	5

The data in Table 2 shows that the questions related to operational opportunities have an average higher than 4.2. Deviation .The standard of the questions is also close to each other and is around 0.6. The range of scores also fluctuates from 3 to 5 and questions 1, 3 , 4, 6, 7, 9, 10 and 11 have negative skewness and questions 2, 5 and 8 have positive skewness.

Questions 3, 4, 5, 7, 10, and 11 have almost a slight slope compared to the normal distribution, and the rest of the questions have a slight slope are relative to the normal distribution .

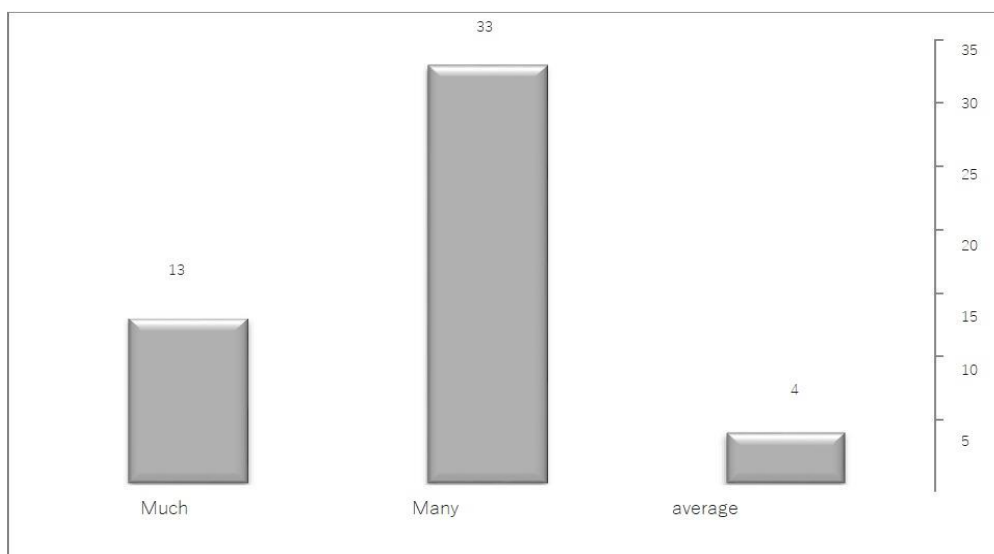
Table-3 statistical indicators of cryptocurrency opportunities

volume	50
average	4.36
middle	4
Standard diviation	4
variance	0.21
crookedness	0.306
Elongation	-0.024
domain	-0.410
minimum	4
Maximum	4.85

The data in Table 4 (table of statistical indicators) show that the mean, median and standard deviation of the distribution related to the opportunity The operations of cryptocurrencies revolve around the number 4, which means many options. The distribution has a very slight negative skew and at the point Its peak has a slight slope compared to the normal distribution. Scores fluctuate between two options, high and very high are.

Table-4 Frequency distribution related to cryptocurrency opportunities

option	frequency	Frequency percentage	Cumulative Frequency
average	4	8	4
many	33	66	37
much	13	26	50
total	50	100	



Graph 1-Graph related to cryptocurrency opportunities

The frequency distribution in Table 4 also shows that 92 percent of the respondents are highly and very highly compared to the content The questions have a favorable opinion. The visual information is shown in Figure 1.

b) Inferential analysis:

option	Expected Frequency	Observed Frequency	remain
average	4	8	4
many	33	66	37
much	13	26	50
total	50	100	

Table 5 Chi-2 statistical test of cryptocurrency opportunities

Cryptocurrencies opportunities	
Chi-2 examination value	59.440
Degrees of freedom	2
level of significance	0.000

Table-6 Chi-square test statistics related to cryptocurrency opportunities component

The data in Table 5 and the statistics in Table 6 indicate that the observed value of the mean (59.440) with the degree of freedom of 2 The value of the critical threshold (13.28) is greater at the $P < 0.01$ level, as a result, it can be concluded that with a probability of 99% The respondents agree with the opportunities of cryptocurrencies to a large extent (option 4).

Table-7 Friedman test of questions related to cryptocurrency opportunities

question	Average ranking
1	6.27
2	6.29
3	5.53
4	7
5	5.73
6	6.73
7	7.54
8	4.51
9	5,65
10	7.54
11	2.76

Table-8 Friedman test statistics

No of samples	50
Statistical value	128.45
degrees of freedom	7
level of significance	0.000

The data in Table 7 shows the average ratings of the questions related to the operational opportunities of cryptocurrencies, which are out of eleven questions Related to this dimension, respectively, question 7 (ranking value 7.64) and question 11 (ranking value 2.76) respectively from the highest and the lowest They have average grades. The data related to the test statistics in Table 8 also shows that the statistical value calculated (124.829) is much larger than the critical statistical value (13.28) at the level of $P < 0.01$, as a result, between questions . There is a significant difference in the importance of the questionnaire, and from the point of view of the respondents, these questions do not have the same importance.

Conclusion:

According to the results obtained from the research, all the opportunities of cryptocurrencies that are from the documents and questions from The extracted experts were confirmed and were most important to least important in the order of the table below Is.

item	Cryptocurrencies advantages
1	Easy transfer
2	Rapid transfer
3	Free access
4	Full control over the property by the individual
5	No financial transaction restrictions
6	Privacy protection
7	Diversification in the investment portfolio
8	Contributing to the growth of the digital economy
9	Transparency and non-manipulation of information
10	Low cost
11	The possibility of entering into a smart contract

Based on results extracted from studies , the operational cryptocurrencies opportunities for security organizations can be categorized as follows :

1 – easy transfer : the most important crypto currencies opportunity is easy transfer . you may easily make a wallet and transfer funds anywhere you wish .

2 – Fast transfer : Fast and permanent interactions and transactions by cryptocurrencies lead to acceleration and facilitation. Transferring money in cryptocurrencies is done very quickly.

3 - Free access: freedom of payment and international access in the exploitation of cryptocurrencies, lack of control of cryptocurrencies by government and government authorities (decentralization and independence in the production and mining network of cryptocurrencies)

4 - Full control over peoples property: In the world of cryptocurrencies, a person has complete control over all his property, and this property is not under the control of any government or organization. In fact, privacy is at its highest here.

5 - No transaction limit: You have no limit on the number of cryptocurrency transactions and you can have unlimited transactions.

6 - Preservation of privacy: lack of identification and interception in the use of cryptocurrency means that privacy is at the highest level in this type of money.

7 - Diversification in investment: There is diversity in investment in cryptocurrencies and on the other hand, peoples investment portfolio becomes very flexible by using cryptocurrencies.

8 - Helping the growth of the digital economy: Buying and selling and investing by cryptocurrencies will help the growth of the digital economy

9 - Transparency and non-manipulation of information: transparency in the payment of cryptocurrencies and its decentralization reduces the possibility of information manipulation to zero. The way of circulation and management of cryptocurrency information causes transparency and lack of control.

10 - Low cost: the small costs of financial transfer, the reduction of international costs and electronic commerce by means of cryptocurrencies, have caused the use and popularity of this virtual money.

11 - The possibility of concluding a smart contract: the impossibility of manipulating information and the possibility of concluding smart contracts through cryptocurrencies is one of the important advantages of cryptocurrencies. In this new world you can have smart contracts.

Recommendation:

According to the results of this research, the following are suggested as research The research with the title of the threat of cryptocurrencies can be fully investigated in the facts only with opportunities. Let's not look, but also keep in mind the threats of cryptocurrencies.

A comparative study of the value of my currency in terms of opportunities and threats in other farmers with other research titles to be buried

References:

1. Shabani; Amir Mohsen and Hasanideh Kalani, Mohammad and Ebrahimi, Saeed (2019), 30 comparative reviews of legalization Bitcoin, *Research Journal of Comparative Law*, No. 5
2. Miri Leva Sani, Samihalsadat and Heydari, Baharho Razmjo, Aliakbar and Razmjo, Muhaddith (2018), select thirty places National digital currency law, new achievements in humanities studies, second year - number 31
3. Nadaf, Razovaneh and Fargan Dosut Haghigi, Kambyz (2017), an overview of cryptocurrencies, opportunities and threats, conference New research approaches in management and accounting: Winter 2017 - Number 9
4. Ghasemi, Naser (1400), opportunities and threats of digital currencies; a case study of selected East Asian countries. *World Politics Scientific Quarterly*, Volume, 10, No. 3, Bahar 1400
5. Pashwafomshoi, Davud (1400), Shunasoi opportunities and threats facing the investment in Sotakhrav and Buying and selling digital currency in the country, the twelfth international side of information technology, computer and Telecommunications, winter 1400
6. Pourmohammed Ali, Amin and Asokandri, Shohla (2018), a review of cryptocurrencies, opportunities and threats Future, the second side of industrial engineering, management, accounting and economics
7. Miri Leva Sani, Samia El-Sadat and Heydari, Bahareh and Razmjo, Aliakbar and Razmjo, Muhaddith (2018), select thirty places National Digital Currency Law, New Achievements in Humanities Studies Magazine, second year, number, June 13, 2018
8. Kianian, Fahima (2017), "Threats, Opportunities", published by Imam Homaam
9. Khaki, Gholamreza, (1401), research method book (with thesis writing approach), Fujan
10. Azizi Fatemeh, Soleimani, Hadi (2018), Introduction of Bitcoin and its security challenges, Heir Amal Defense Magazine, period: 10, number: 4

Sources

1. Friedman, H. H., & Friedman, L. W. (2009). The Global Financial Crisis of 2008: What Went Wrong? (SSRN Scholarly Paper No. ID 1356193)
2. Knight, K. B. and J. (2009, September 16). Lehman's Three Big Mistakes
3. Nakamoto, S. (2008). Bitcoin: A Peer-to-Peer Electronic Cash System
4. Partnoy, F. (2013, September 16). Five Years After Lehman's Collapse, Bankers Still Haven't Confronted Their Biases
5. Higgins, S. (2017). From \$900 to \$20,000: Bitcoin's Historic 2017 Price Run Revisited
6. Bonneau, J., Felten, E., Miller, A., & Narayanan, A. (2016). *Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction*. Princeton: Princeton University Press.
7. Kuo Chuen LEE, David and GUO, Li, & WANG Yu. (2018), Cryptocurrency: A new investment opportunity?, Institutional Knowledge at Singapore Management University
8. Huuben, D. R., & Snyers, A. (2018). Cryptocurrencies and blockchain, 103.
9. Keatinge, T., Carlisle, D., & Keen, F. (2018). Virtual Currencies and terrorist financing: assessing the risks and evaluating responses
10. Keidar, R., & Blemus, S. (2018). Cryptocurrencies and Market Abuse Risks: It's Time for Self-Regulation (SSRN Scholarly Paper No. ID 3123881). Rochester, NY: Social Science Research Network
11. Sandeep, Maru Kanti and Chaganlal, Kumar and Roj, Sushmita (2017), A Survey of Bitcoin Security and Privacy Issues
12. Katazyna, Kaipa (2019), Cryptocurrencies: Opportunities, Risks and Challenges to Fight Systemic Corruption, Warsaw School of Economics, Poland
13. Perkins, David DeBillo (2020), Cryptocurrency: Monetary Economics and Policy Issues, US Congressional Research Service (CRS)
14. Babrik, George Daniel (2021), National Security Threats Due to Widespread Use of Cryptocurrency, National Defense University of Bucharest

15. Bonjako, Philamor and Georgieva, Elicora and Mitva, Emilia (2022), Cryptocurrencies: Advantages and Disadvantages, Goce Delcev University Stip-Macedonia