

## **IMPACT OF TRANSPORTATION SECURITY ON ECONOMIC GROWTH AT UAE MARITIME INDUSTRY**

*Ahmad AlHamad*<sup>1</sup>, *Muhammad Turki Alshurideh*<sup>2</sup>, *Hevron Alshurideh*<sup>3</sup>, *Ali A. Alzoubi*<sup>4</sup>,  
*Barween Al Kurdi*<sup>5</sup>

<sup>1</sup> *Department of Management, College of Business, University of Sharjah, Sharjah 27272, United Arab Emirates. aalhamad@sharjah.ac.ae*

<sup>2</sup> *Department of Marketing, School of Business, The University of Jordan, Amman 11942, Jordan, Orcid [0000-0002-7336-381X], m.alshurideh@ju.edu.jo*

<sup>3</sup> *Department of Foreign Languages, Faculty of English Language and Literature, The University of Jordan, Amman 11942, Jordan. Hevronalshurideh@gmail.com*

<sup>4</sup> *Public Security Directorate, Jordan, alialzuobi@yahoo.com*

<sup>5</sup> *Department of Marketing, Faculty of Economics and Administrative Sciences, The Hashemite University, P.O. Box 330127, Zarqa 13133, Jordan. Orcid [0000-0002-0825-4617], barween@hu.edu.jo*

### **ABSTRACT**

To identify the impact of transport security and the infrastructure of power development on economic growth in the context of the maritime industry this research is aimed to examine the main drivers of the maritime industry transport. It also focuses on innovative transportation security policies that will enhance the change to ensure the growth of the economy in the context of the maritime industry. The objective of this research is to gather information from secondary sources to help with academic research and the economy by evaluating the effect of transportation security on economic growth in the UAE.

**Keywords:** *Transportation Security, Economic Growth, UAE Maritime Industry.*

### **1. INTRODUCTION**

Dubai is regarded as a low-crime nation, opportunistic crime does exist. Visitors from abroad or expatriates may be more exposed because of their perceived riches. Densely inhabited places, including well-known tourist destinations, may be advantageous [1], [2]. People who are not attentive of criminal surroundings or who are displaying valuables like smartphones, purses, or other electronic gadgets are likely to be targeted by criminals [3]. Similarly, protecting the nation's interests and making sure its citizens are secure through their actions are the two main purposes of transportation security [4], [5]. Not only does transportation security give businesses the chance to thrive economically, it also gives passengers protection [6]. Security is also crucial in the case of transporter property in order to convey the goods safely from one location to another and complete the transaction [7], [8]. The safer a nation's transportation is, the better security and cutting-edge technology its citizens will have access to. In order to evaluate the impact of transportation security on economic growth of UAE this research is focused to gather the data facts from secondary source to contribute in the academic research and economy.

## **2. THEORETICAL FRAMEWORK**

In the development of the economy of the UAE maritime industry, the role of transportation security is vital. In the context of the concept of the independent variable; 'Transportation security' and the dependent variable economic growth in the UAE maritime industry needs to be understood first [9], [10]. It will provide knowledge to understand both variable relations.

### *2.1. Transportation security*

Transportation is a way to communicate or move from one place to another [11], [12]. Without an effective transportation system, the people of a country cannot easily make connections with each other [13]–[15]. In the current time and because of technological development the process of transportation has become so easy that saving the time of humans and opening many opportunities to the world [16], [17]. Transportation security is important and is significant in developing an economy [18]. In addition, transportation is the main way to communicate with local and international bodies to conduct business [19]–[21]. It can take place in three forms like road transportation, air transportation, and water transportation [22]. In case a country has developed a high technology dependence transportation system then they provide their several industry lots of

opportunities to conduct business [23], [24]. In addition, especially to conduct global business, those countries play a significant role because of the safe and secure transportation system [25]–[27]. In UAE the water transportation is highly developed to provide the maritime industry to be successful in their way [28]. The importance of transportation security is to protect the national interest of the country and ensure the citizens of the country are secure through their actions [29]–[31]. Transportation security provides not the only opportunity for economic growth in business but also provides safety to the passenger [32]–[34]. In addition, in the case of transporter property, security is essential to safely deliver the time from one place to another and make the deal successful [35], [36]. The more the transportation of a country will be safe, the security and innovative technology the people of the country will get advanced facilities [37], [38]. Transportation security plays an important role in the development of the economy of any country [39].

## *2.2. Economic growth*

Economic growth refers to the increase in the amount of service and goods produced at a particular time per head in population [40]–[44]. It refers to the aggregate of economic production [45]. An increase in economic growth measures the increase of the gross domestic product (GDP) of a country [46]–[48]. It references the increase in the value of the national output, expenditure, and the country's income [49]. The higher a country's economic growth, the higher will be the living standard of that country [50]. Further, it also denotes an increase in real income and development in useful areas like health and education [51]–[53]. UAE has a strong economic infrastructure and in 2019 the growth of the UAE economic forecast was 3.7% which was a positive outlook of their economic performance [54], [55]. In 2017 their growth of GDP was 0.80% and the annual GDP percentage was 8.20% [56], [57]. In the economic growth, the contribution of the transportation sector is 5.40% [58]. The higher economic growth lowers the risk of unemployment [59]–[61]. The firms in the economy start to expand and try to impose more employees for creating opportunity [62]–[64]. In addition, the positive growth in economic development also reduces the borrowing from the government [65], [66]. Because economic growth creates higher tax revenue and so that less money needs to be paid on the benefits such as unemployment [67]–[69]. The public service provided by the government can be improved because of the higher economic growth [70]–[72]. The higher tax revenues the government can spend on the welfare of health education and other projects provide better life opportunities [18], [73]–[75]. The technological

infrastructure of the country can be improved by spending money on research and development by firms [76], [77]. It reduces the poverty of a country and provides a better life experience that will open up new ways to see their life and enjoy the facilities. Therefore, economic growth is a vital factor for a country to ensure an advantage in the market [78], [79].

### **3. LITERATURE REVIEW**

Transportation, logistics, and this kind of infrastructure influence economic growth [80]. Quality and secure transport provide access to the local and international market easily [81], [82]. In addition, efficient transport can provide cheaper service so that more service can be taken [83]–[85]. Large scale transport encourages the local and international economy to encourage the logistics business to grow [86]–[89]. A sound and secure transportation system lower the cost of moving goods and people [90], [91]. Thus it increases the productivity of the economy [92]–[94]. These as early discussions an increase in the economy increases the living standard of the country [95], [96]. The time of assessing the expenditure related to transportation security the main concern needs to be produced as it is the central component of the economy's growth [97], [98]. High productivity investment in the security of transportation ensures the economic welfare of a country [99]–[101]. Thus it also creates many job opportunities and contributes to long-term economic development [102].

#### *3.1. Relation and impact of transportation security in economic development in the context of the maritime industry of UAE*

The maritime industry is related to shipping, ocean, navigation, or any other activation in the sea surface [103]–[105]. In the developing countries, the population is going faster, in that context the low cost effective maritime industry and transportation play a significant role in economic growth and sustainability [106]–[109]. In the current economic and global context of UAE, the maritime industry is the backbone of the global trade and economy [110]–[113]. The water transportation system of the UAE provides regional and international hubs for the purpose to provide opportunities for economic development [114]. In addition, it includes the development of the port, maintenance, and growth of dry docks, ship operation, maritime protection [115], [116], and safety [117]. In the country UAE, they have more than 16 seaports and in the case of port terminal containers [118], they have more than 9 [119]. As per the world's shipping council in UAE two of the world's 50 port containers are located [120], [121].

In UAE there are some major seaports and waterways for example; seaport of Mina Rashid emirates and location in Dubai, Port of Jebel Ali emirate and location in Dubai, Port of Mina Khalid location and emirate in Sharjah, Port of Mina Zayed location, and emirate in Abu Dhabi, Port of Khorfakkan location in Khorfakkan and emirates in Sharjah, Khalifa Port location and emirates in Abu Dhabi and many others [122]–[125]. Their water ports are reactive in handling logistics and cargo all over the world. It was estimated that almost 61% of cargo from the GCC countries arrived via the port of UAE [126], [127]. In the UAE the commercial port can consist of 310 breathe and have the capacity of cargo to cover 80 million tonnes [128]. They also provide the ferry service all over the country [66], [129], [130]. The transport and security are so developed in the country that contributes overall economic development by 13.80% in the year 2016. In addition, it has a value of around 45,395 in 2017 and a percentage of contribution of 14.10 % in 2017 [131]. Thus it helps to develop the GDP of the country and provide a high value to the citizens' lives [132], [133]. In addition, UAE provides a high priority to developing their transportation infrastructure to ensure that people get attached to their system easily and invest in their business [82], [134]–[136]. Their higher GDP growth is an indication that their too much development in the transposition in terms of the maritime industry opens up the path to making connections with the outer world [137]–[139]. Again, the main source of their economy is oil that also exports with the help of their maritime industry and excellent transportation system.

### 3.2. General Research Model



Figure 1: Conceptual Research Model

## 4. DISCUSSION

For sustainable economic development transport and economy are linked with each other. The external dimension of the economy provides an economy to grow fast. In case transportation lagging behind then, it loses the international and global market potential and loses competitive facilities in the market. In order to provide diversification and share with a country, the influence of transportation and its security is important. Based on that, one can tackle the initiative to be innovative and creative in other sectors that will open up new business paths for expansion and economic growth. Boosting economic relations between the two countries is based on secure transportation and the cost-effective way by taking the help of the maritime industry. With the facilities of the waterway, one can straighten their supply chain distribution with other countries and ensure the quality transport on time. Because of the navy security, there is no risk of the theft or loss of the product that ensures the secure transaction. On the other hand with technological development with proper weather forecast the news related to seastorm, rain can gather and precaution and awareness can be spread. In other modes of transportation in the aviation industry or in road transport, the risks are high of theft or other cases like the accident, attack, or any natural calamity. Compared to the maritime industry, transportation is easy and cost effective. It also reduces the impact of environmental pollution and traffic on the road.

## **5. CONCLUSION**

The influence of transport, economic growth is possible and it also creates job opportunities in the country in different categories and provides youths of the country to explore the passion and implement their new innovative ideas to develop the transportation that will contribute to local and international development. The job opportunities also have an impact on the economy that sincere the living standard of humans of the country and ensure the competitive position of the country worldwide. The savings in cost can be invested in other areas of economic development such as education, research and development, and the health of the country that will create more engineers, doctors, scientists who will contribute to future secure transport and increase the standard of living.

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