



EVALUATION OF THE CONTROL AND PREVENTION OF THE SPREAD OF CORONA VIRUS DISEASE (COVID-19) AT TIGARAS PORT IN 2021

Driaskoro Budi Sidharta¹, Dahlia Dewi Apriani² dan Maria Hygeia Faperina Marpaung³

Abstract

Tigaras Port is managed by the North Sumatra Region II Land Transportation Management Center. Vessels operating at this port consist of 2 motorized crossing ships, namely KMP. North Sumatra I and KMP. North Sumatra II, as well as 17 traditional motor boats. Tigaras Port is one of the ports that has a busy trip schedule and is crowded with visitors every day. The world is currently being hit by a disease epidemic due to Corona Virus Disease (Covid-19) and the epidemic has had a major impact, including to the transportation sector. However, there is no maximum control effort and the level of compliance with the application of health protocols at Tigaras port, both from the passenger sector, transportation facilities operators, and transportation infrastructure operators is still very minimal.

This study uses several analytical methods to overcome these problems, including data analysis of transportation control efforts carried out by transportation infrastructure operators, namely the port manager and analysis of the level of compliance of passengers, facility operators, and transportation infrastructure operators to the implementation of the Corona Virus Disease health protocol. Covid-19). The results of the analysis show that:

- 1) Tigaras Port as the operator of transportation infrastructure has taken steps to control Corona Virus Disease (Covid-19), during the Corona Virus Disease (Covid-19) pandemic, but not consistently.*
- 2) There is still lack of compliance on both passenger, transportation facilities operators, and transportation infrastructure operators towards the implementation of health protocols Corona Virus Disease (Covid-19).*

From this analysis concluded that efforts to control the control of Corona Virus Disease (Covid-19), as well as the level of compliance passenger, , transportation facilities operators, and transportation infrastructure operators still very minimal.

Keywords: Control, Prevention, Covid-19, Port, Health, Epidemic

1. Introduction

North Sumatra is a province in Indonesia which is divided into 33 regencies/cities with an area of 72,981.23 km². Simalungun Regency is a district in North Sumatra Province. Simalungun Regency has 32 sub-districts, one of which is Dolok Pardamean District. In the District of Dolok Pardamean there is a port located in Tigaras village and is one of the ports on Lake Toba.

¹ Lecturer of Inland Water and Ferries Transport Polytechnic of Palembang, E-Mail: budi.driaskoro@gmail.com

² Lecturer of Inland Water and Ferries Transport Polytechnic of Palembang, E-Mail: dahliadewiapriani@yahoo.co.id

³ Alumni of Inland Water and Ferries Transport Polytechnic of Palembang, Email : mfaperina@gmail.com



Lake Toba is the site of a super-massive volcanic eruption of magnitude VEI 8 around 69,000 to 77,000 years ago that triggered global climate change and is a large natural lake in Indonesia located in the caldera of Mount Supervolcano, North Sumatra.

Tigaras Port is managed by the North Sumatra Region II Land Transportation Management Center. Vessels operating at this port consist of 2 motorized crossing ships, namely KMP. North Sumatra I and KMP. North Sumatra II, as well as 17 traditional motor boats. Route track in Tigaras Port only serve one track is the track Tigaras - Simanindo. The Tigaras – Simanindo route is a pioneering route that connects the crossing from Simalungun Regency to Samosir Island, which is 5 miles away and takes 30 minutes.

Simanindo port is a port situated in a village which is located in Samosir, on the shores of Lake Toba, North Sumatra. Simanindo Port can be reached within 30 minutes by boat sailing from Tigaras Port.

The world is currently being hit by an epidemic of disease due to Corona Virus Disease (Covid-19) (Bilal, Muhammad, et al, 2021). Covid-19 is one of the viruses that recently emerged with the first case in Wuhan City, Hubei Province, China. This virus is dangerous and has a high transmission rate that can be transmitted from human to human (WHO, 2019) and on March 12 WHO has declared Covid-19 as a pandemic. As of June 13, 2021, there have been 176.4 million cases and 3.8 million deaths, while in Indonesia it has been determined that until June 13, 2021, there have been 1.9 million cases and 52,730 deaths.

Based on the number of cases growth above, Covid-19 has a very high level of spread and impact, especially on the transportation sector, so the Regulation of the Minister of Transportation of the Republic of Indonesia Number PM 18 of 2020 concerning Transportation Control in the Context of Preventing the Spread of Corona Virus Disease (Covid-19) was issued. Control of transportation activities is important in order to prevent Corona Virus Disease (Covid-19). Transportation control from the passenger side includes wearing masks, obeying and maintaining physical distance, transportation control from the transportation facility operator, such as sterilizing transportation facilities and providing health checking equipment, while from the transportation infrastructure operator, including ensuring the implementation of health protocols in the form of routine sterilization. through spraying disinfectants and preparing hand washing or hand sanitizers at the entrance to transportation infrastructure.

According to Dede Saidah, 2020, that the level of compliance of DKI Jakarta residents is still low in complying with the policies for handling the Covid-19 epidemic in DKI Jakarta, especially those related to the use of personal protective equipment while outside the home, with many types of violations not wearing masks when driving. In addition, according to the author, in the author's own area, namely North Sumatra, there are still passengers, facility operators, and infrastructure operators who do not use masks, maintain a safe distance, and apply other health protocols in controlling transportation in order to prevent the spread of Corona Virus Disease (Covid-19).

Based on these regulations, control should be applied in a disciplined manner so that the prevention of Corona Virus Disease (Covid-19) can be achieved optimally. However, based on the facts on the ground, there is still a lack of awareness from passengers, transportation facilities operators, and transportation infrastructure operators, as well as the less than optimal implementation of transportation control regulated in the Regulation of the Minister of Transportation of the Republic of 2020 concerning Transportation Control in the Framework of Preventing the Spread of Covid-19.



Based on the above background, the researchers are interested in conducting research and in this journal it contains the title, namely Evaluation of Control and Prevention of the Spread of Corona Virus Disease (Covid-19) at Tigaras Port in 2021.

Research questions, based on the formulation and restrictions on the above issues, and put forward the formulation of research problems through the following research questions: 1) What steps have been carried out by the manager of the Port of Tigaras, North Sumatra Province in an effort to control Covid-19 ?; and 2) What is the level of compliance of passengers, facilities operators and transportation infrastructure operators according to applicable regulations ?

The objectives to be achieved through this research are to evaluate what steps have been taken by the manager of Tigaras Port, North Sumatra Province in an effort to control Covid-19 and evaluate the level of compliance of passengers, facilities operators and transportation infrastructure operators according to applicable regulations.

Furthermore, the results of this research are expected to contribute to several parties, including: (1) For cadets. The results of this study are expected to be used as material that can be used for education, especially regarding the relationship with controlling and preventing the spread of Corona Virus Disease (Covid-19) at ports;

(2) The educational institution. The results of this study are expected to provide information in the form of knowledge and insight to the entire academic community at the Inland Water and Ferries Transport Polytechnic of Palembang regarding the control and prevention of the spread of Covid-19 and as reference material in an assignment or report; (3) For government agencies. The results of this study are expected to be used as a reference in the context of controlling and preventing the spread of Covid-19 at Tigaras Port, North Sumatra Province; and (4) For the community. The results of this study are expected to provide information in the form of knowledge related to controlling and preventing the spread of Corona Virus Disease (Covid-19) at ports as users of transportation facilities and infrastructure services.

2. Research Method

A. Data Collection

Collecting data using the method of observation, interviews and questionnaires (questionnaire). Data collection is intended to obtain relevant, accurate and real data material in accordance with what is in the field. The observation method is carried out to see directly passengers who apply health protocols, facility operators, and transportation infrastructure operators who are actively involved in supervising health protocols, as well as the availability of health equipment in accordance with health protocols. Interviews were conducted to obtain information and an overview of the level of compliance of ship passengers, operators of transportation facilities and infrastructure in implementing and supervising health protocols.

The subject of this research is to use a sample, namely passengers of transportation facilities, facility operators, and operators of transportation infrastructure.

The instrument used is a questionnaire. The questionnaire will be used for survey purposes , namely to determine the level of compliance of passengers in implementing health protocols at Tigaras Port and to determine the level of compliance of facility operators, as well as transportation infrastructure operators in supervising health protocols at Tigaras Port.

Analysis of data using analytical techniques qualitative descriptive analyze, describe and summarize a variety of conditions, the situation of the various data collected in the form of result's interview or observation about the problems examined that occur in the field. In this



study, there is also a graph of the results of the quantitative questionnaire statements to facilitate calculations and grouping based on existing data.

B. Analysis Data

1) **Data analysis of transportation control efforts carried out by transportation infrastructure operators, namely the port manager**

The analysis was carried out with the aim of knowing the efforts that have been made by transportation infrastructure operators in the context of controlling transportation. The analysis is carried out by observing visually in the field regarding what efforts have been made, as well as by interviewing the transportation infrastructure operator in accordance with PM No. 18 of 2020 which should be carried out by the transportation infrastructure operator, namely the port manager.

2) **Analysis of the level of compliance of ship passengers in implementing health protocols**

The analysis was carried out with the aim of determining the level of compliance of ship passengers in implementing health protocols at Tigaras Port. The analysis was carried out by surveying directly based on the rules contained in PM No. 18 of 2020 which had been poured into the conformity table. In addition to the conformity table, the analysis was also carried out by distributing questionnaires that were open questions, which are the types of questions in this research qualitative nature to be quantified.

3) **Analysis of the level of compliance of ship facilities operators in supervising health protocols**

The analysis was carried out with the aim of the level of compliance of transportation facilities operators in supervising health protocols at Tigaras Port. The analysis was carried out by surveying directly based on the rules contained in PM No. 18 of 2020 which had been poured into the conformity table. In addition to the conformity table, the analysis was also carried out by distributing questionnaires that were open questions which are the types of questions in this research qualitative nature to be quantified .

4) **Analysis of the compliance level of ship infrastructure operators in supervising health protocols**

The analysis was carried out with the aim of the level of compliance of transportation infrastructure operators in supervising health protocols at Tigaras Port. The analysis was carried out by surveying directly based on the rules contained in PM No. 18 of 2020 which had been poured into the conformity table. In addition to the conformity table, the analysis was also carried out by distributing questionnaires that were open questions, which are the types of questions in this research qualitative nature to be quantified .

3. Results and Discussion

1. Data Analysis of Transportation Control Efforts Performed by Transportation Infrastructure Operators, namely Port Management Parties

In this case, the author uses the reference according to the Regulation of the Minister of Transportation Number PM 18 of 2020 concerning Transportation Control in the Context of Preventing the Spread of Corona Virus Disease (Covid- 19) as a reference in solving the following problems:



1) Travel Preparation

- a) Routine sterilization efforts
- b) Spraying disinfectant
- c) Implementation of physical distancing
- d) Prepare hand washing or sanitation facilities
- e) Ensure that all officers are in good health and wearing personal medical equipment
- f) Carry out passenger body temperature checks
- g) Prepare health posts complete with medical personnel
- h) Provide rest room for personnel
- i) Ensure good air circulation in operational buildings and public services

2) Until the destination or arrival

- a) Routine sterilization efforts
- b) Spraying disinfectant
- c) Implementation of physical distancing
- d) Prepare hand washing or sanitation facilities
- e) Ensure that all officers are in good health and wearing personal medical equipment
- f) Carry out passenger body temperature checks
- g) Prepare health posts complete with medical personnel
- h) Provide rest room for personnel
- i) Ensure good air circulation in operational buildings and public services .

Table 1 . Data on Transportation Control Efforts Performed by Transportation Infrastructure Operators, namely Port Management

No.	Efforts to control transportation by port infrastructure operators	Passenger preparation	Until the destination or arrival
1.	Routine sterilization efforts	Done only at the beginning of the pandemic	Done only at the beginning of the pandemic
2.	Disinfectant spraying	Done only at the beginning of the pandemic	Done only at the beginning of the pandemic
3.	Implementation of physical distancing	Done only at the beginning of the pandemic	Done only at the beginning of the pandemic
4.	Prepare a hand washing or sanitation area	Done only at the beginning of the pandemic	Done
5.	Ensure all staff are in good health and wear personal medical equipment	Done	Done



Table 1 Advanced

6.	Carry out temperature checks for passengers	Done only at the beginning of the pandemic	Done only at the beginning of the pandemic
7.	Prepare health posts complete with medical personnel	Done only at the beginning of the pandemic and holidays	Done only at the beginning of the pandemic and holidays
8.	Provide rest room for personnel	Not provided	Not provided
9.	Ensure good air circulation in operational buildings and public services	Done	Done

Based on the table above, it is found that transportation control efforts carried out by transportation infrastructure operators, namely the port manager, were only carried out at the beginning of the pandemic, such as routine sterilization efforts, spraying disinfectants, implementing physical distancing, carrying out temperature checks. the body of passengers, alerting the health post complete with medical personnel is carried out only at the beginning of the pandemic, carried out a few months at the beginning of the pandemic and especially the health post is also carried out on big days. Meanwhile, the preparation of hand washing or sanitation facilities is only carried out at the beginning of the pandemic at the port of departure, but will still be carried out at the port of arrival. And what has been done so far is to ensure that all officers are in good health and wear personal medical equipment and ensure that all officers are in good health and wearing personal medical equipment, while what has not been done is to provide rest rooms for personnel.

From this statement, it can be seen that there are still many efforts that should be made by transportation infrastructure operators, namely the port manager and stated in the applicable regulations, in practice it has not been fully carried out.

2) Evaluation of the Compliance Level for the Implementation of the Corona Virus Disease (Covid-19) Health Protocol

The author uses the Minister of Transportation Regulation Number PM 18 of 2020 concerning Transportation Control in the Context of Preventing the Spread of Corona Virus Disease (Covid- 19) and makes a conformity table as a reference in solving the following problems:

a) Passenger

1) Travel Preparation

The travel preparation suitability table is used in the transportation control survey for passengers at the time of travel preparation.



Table 2 . Table of Suitability of Passenger Transport Control During Travel Preparation

No.	Travel Preparation	Implementation	
		Yes	No
1.	Wear a mask and prepare the necessary medical equipment		√
2.	Obey and maintain physical distancing		√
3.	Comply with procedures directed by officers		√

Table 2 Advanced

4.	Prioritizing self-registration online (online check-in) for transportation passengers who use the online registration system (online check-in).		√
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2) During Travel

The in-trip suitability table is used in the transportation control survey for passengers during the journey.

Table 3. Table of Suitability of Passenger Transportation Control During Travel

No.	During the trip	Implementation	
		Yes	No
1.	Follow the procedures and directions of officers while on the trip		√
2.	Implement physical distancing and wear a mask		√
3.	Report to the officer if you experience health problems		√

3) Until Destination or Arrival

Conformity to destination or arrival tables are used in transport control surveys for passengers to destination or arrival .

Table 4 . Table of Suitability of Passenger Transport Control Until Destination Or Arrival

No.	Until the destination or arrival	Implementation	
		Yes	No
1.	Follow the procedures and directions of officers when arriving at the destination or arrival area		√
2.	Carry out body temperature checks in accordance with the Corona Virus Disease 2019 (Covid-19) health protocol at terminals, stations, airports, and ports of destination or arrival		√
3.	Implement physical distancing and wear a mask		√
4.	Report to the health post officer if you feel symptoms of Corona Virus Disease 2019 (Covid-19)		√



b) Transportation Facility Operator

1) Travel Preparation

The travel preparation suitability table is used in the transportation control survey for operators of transportation facilities at the time of travel preparation.

Table 5 . Table of Suitability of Transportation Control for Transportation Means Operators During Travel Preparation

No.	Travel Preparation	Implementation	
		Yes	No
1.	Selling tickets online and ensuring the implementation of physical distancing		√

Table 5 Advanced

2.	Sterilizing means of transportation by spraying disinfectant		√
3.	Implement physical distancing in every means of transportation		√
4.	Provide health check equipment.		√
5.	Ensure that all personnel of transportation facilities are declared healthy by the health agency		√
6.	Providing medical equipment for personnel transport at least in the form of masks, gloves, and penyanitasi hand (hand sanitizer)		√

2) During Travel

Travel conformity tables are used in transportation control surveys for operators of transportation facilities during travel.

Table 6 . Table of Suitability of Transportation Control for Transportation Means Operators During Travel

No.	During the trip	Implementation	
		Yes	No
1.	Supervise and ensure the implementation of physical distancing during travel strictly and periodically		√
2.	Provide hand sanitizer for passengers		√
3.	Ensure that all personnel in transportation facilities always wear personal health equipment in the form of masks		√
4.	Checking and monitoring the health of passengers periodically by considering the travel time of each mode of transportation		√



5.	Prepare emergency contacts (<i>emergency calls</i>) and safety protocols in case of an emergency during the trip		√
6.	In the event that a passenger shows symptoms of Corona Virus Disease 2019 (crisis center Covid-19), the officer must: 1. Carry out treatment according to health protocols 2. Report to the nearest health facility. 3. Coordinate with the crisis center Corona Virus Disease 2019 (crisis center Covid-19)		√

A description of the suitability of the number of passengers based on the implementation of the Corona Virus Disease (Covid-19) Health Protocol based on the Load Factor Calculation .

Referring to Circular of the Minister of Communications of the Republic of Indonesia Number SE 43 Year 2021 on Implementation Guidelines Traveling People of the Interior Land Transportation In The Pandemic Corona Virus Disease (Covid-19) is updated with the Circular of the Minister of Communications of the Republic of Indonesia Number SE 56 Year 2021 concerning Instructions for the Implementation of Domestic Travel by Land Transportation During a Pandemic Corona Virus Disease (Covid-19) , specifically for routine travel with land transportation modes using individual motorized vehicles, public motorized vehicles, river, lake, and crossing transportation within one urban agglomeration area/area with the following provisions:

- a) only applies to the interests of essential and critical sectors in accordance with the provisions of the relevant laws and regulations;
- b) is not required to show a vaccine card and a certificate of negative RT-PCR or Rapid Test Antigen results. Against actors in an urban agglomeration area, a *random* check can be done .

As well as limiting the number of passengers for river, lake, and crossing transportation to a maximum of 50% (fifty percent) of the total passenger carrying capacity of the ship and implementing physical distancing .

This is not in accordance with what is found in the research location where the number of passengers is more than the number of passengers should be .

Table 7 . Productivity To the departure of Passengers and Vessels Traditional on the Tigaras – Simanindo Track for 14 (Fourteen) Days

NO	DATE	PASSENGER		TOTAL PASSENGER	TOTAL VEHICLE
		CHILDREN	ADULT		
1	1-Apr-21	14	129	143	58
2	2-Apr-21	15	152	167	62
3	3-Apr-21	10	186	196	78
4	4-Apr-21	7	123	130	55
5	5-Apr-21	9	168	177	69
6	6-Apr-21	19	160	179	65
7	7-Apr-21	4	118	122	55
8	8-Apr-21	9	194	203	78
9	9-Apr-21	10	191	201	75



10	10-Apr-21	14	125	139	49
11	11-Apr-21	6	201	207	87
12	12-Apr-21	6	175	181	74
13	13-Apr-21	15	152	167	62
14	14-Apr-21	15	150	165	78
Amount		153	2224	2377	945

- Passenger departure load factor for 14 days :

$\frac{\text{Passenger capacity for 14 days}}{\text{Capacity} \times \text{number of trips the ship for 14 days survey}} \times 100\%$

$= \frac{2377}{60 \times 7 \times 14} \times 100\%$

$= \frac{2377}{5880} \times 100\%$

$= 40,42 \%$

Table 8 . Productivity of Passenger Arrivals and Ship Vehicles
Traditional on the Tigaras – Simanindo Track for 14 (Fourteen) Days

NO	DATE	PASSENGER		TOTAL PASSENGER	TOTAL VEHICLE
		CHILDREN	ADULT		
1	1-Apr-21	4	151	155	63
2	2-Apr-21	8	173	181	74
3	3-Apr-21	3	198	201	87
4	4-Apr-21	25	155	180	119
5	5-Apr-21	4	150	154	64
6	6-Apr-21	8	209	217	59
7	7-Apr-21	3	147	150	98
8	8-Apr-21	28	140	168	123
9	9-Apr-21	7	257	264	67
10	10-Apr-21	4	158	162	52
11	11-Apr-21	7	141	148	152
12	12-Apr-21	4	336	340	70
13	13-Apr-21	25	173	198	74
14	14-Apr-21	5	198	203	87
Amount		135	2586	2721	1189

- Passenger arrival load factor for 14 days :



Passenger capacity for 14 days x 100%

Capacity x number of trips the ship for 14 days survey

$$= \frac{2721}{60 \times 7 \times 14} \times 100\%$$

$$= \frac{2721}{5880} \times 100\%$$

$$= 46,27\%$$

$$= 46,27\%$$

Based on the analysis above, it is concluded that the ship operator has made efforts to limit the number of passengers on board, as evidenced by the load factor which is still below 50%, in accordance with what is mandated in the Circular Letter of the Minister of Transportation of the Republic of Indonesia Number SE 56 of 2021 on Implementation Guidelines for traveling People Dalam State with Transport Army in the Period of Pandemic Corona Virus Disease 2019 (Covid-19), a special routine trip to the land transport modes using a motor vehicle individual, public vehicles, transport streams, lakes, and crossing in a single urban agglomeration areas/areas with the following provisions:

And extensive restrictions on the number of passengers for the transport of the river, lake and ferry more than 50% (fifty percent) of the total passenger capacity vessel and keep the application of physical (physical distancing) .

However, there is the behavior of passengers who still do not keep their distance during the trip, so that the application of health protocols cannot be implemented optimally.

3) Until Destination or Arrival

Conformity to destination or arrival tables are used in transport control surveys for operators of transport facilities to destination or arrival .

Table 9 . Table of Suitability of Transportation Control Operators of Transportation Facilities Until Destination or Arrival

No.	Until Destination or Arrival	Implementation	
		Yes	No
1.	Sterilize the transportation fleet (spray disinfectant) after arriving at the destination		√
2.	Ensure that all personnel of transportation facilities always wear personal health equipment in the form of masks and carry out health checks		√
3.	In the event that passengers are found showing symptoms of Corona Virus Disease 2019 (Covid-19), immediately carry out handling procedures and coordinate with medical officers		√

c) Transportation Infrastructure Operator

1) Travel Preparation



The travel preparation suitability table is used in the transportation control survey for transport infrastructure operators during trip preparation.

Table 10 . Table of Suitability of Transportation Control of Transportation Infrastructure Operators During Travel Preparation

No.	Travel Preparation	Implementation	
		Yes	No
1.	Ensure the implementation of health protocols in the form of routine sterilization by spraying disinfectant and keep a physical distancing		√
2.	Prepare a hand washing place or <i>hand sanitizer</i> at the entrance to transportation infrastructure		√
3.	Ensure all officers are in good health and wear personal health equipment in the form of masks and gloves for health workers		√
4.	Carry out a body temperature check according to the health protocol and in the event that the inspection shows a body temperature of at least 38°C (thirty-eight degrees Celsius), the passenger is refused to be transported and referred to a health facility for health examination		√
5.	Prepare health posts equipped with medical personnel in transportation infrastructure and coordinate with the nearest Corona Virus Disease 2019 (Covid-19) Referral Hospital		√

Table 10 Advanced

6.	Provide rest rooms for transportation infrastructure personnel		√
7.	Ensure good air circulation in operational buildings and public services	√	

2) During Travel

Table suitability for a trip used in the transportation control survey for operators of transport infrastructure during the trip.

Table 11 . Table of Suitability of Transportation Control for Transportation Infrastructure Operators During Travel



No.	During the trip	Implementation	
		Yes	No
1.	Monitor and ensure the application keep a physical distancing in a transport node and resting place (rest area)		√
2.	Ensuring the readiness of health facilities, including for emergency handling		√
3.	Ensure all officers are in good health and wear personal health equipment in the form of masks and gloves for health workers		√

3) Until Destination or Arrival

Conformity to destination or arrival tables are used in transport control surveys for transport infrastructure operators to destination or arrival.

Table 12 . Table of Suitability of Transportation Control for Transportation Infrastructure Operators Until Destination or Arrival

No.	Until Destination or Arrival	Implementation	
		Yes	No
1.	Guaranteeing health protocol to perform routine sterilization by spraying disinfectant and keep the application of physical (physical distancing)		√
2.	Prepare a hand washing area or hand sanitizer at the entrance location for transportation infrastructure	√	
3.	Ensure all officers are in good health and wear personal health equipment in the form of masks and gloves for health workers		√
4.	Carry out body temperature checks of passengers in accordance with health protocols and in the event that the inspection shows the body temperature is above 38°C (thirty eight degrees Celsius), the passenger is refused to be transported and referred to a health facility for health examination		√
5.	Prepare health posts complete with medical personnel in transportation infrastructure and coordinate with the nearest Corona Virus Disease 2019 (Covid-19) Referral Hospital		√

Table 12 Advanced

6.	Provide rest rooms for transportation infrastructure personnel		√
7.	Ensure good air circulation in operational buildings and public services	√	

The analysis using the suitability table was carried out by matching according to what was found at the research location. From the table of conformity that has been carried out,



with the object of research as many as 19 passengers, it was found that only 6 passengers wore masks when preparing for the trip, but during and arriving at the arrival destination, they did not wear them and did not keep their distance either. Meanwhile, from the operators of ship facilities, which are the objects of research, 17 traditional motor boats and 2 ferry boats, it was found that none of the operators of transportation facilities implemented health protocols starting from preparation for the trip to arriving at the arrival destination. As well as from the transportation infrastructure side, namely 15 people who became the object of research, it was found that port infrastructure officers applied the use of masks, but the provision of hand washing facilities was not provided at the port of departure, only provided at the port of arrival.

This is not in line with what is written in the Regulation of the Minister of Transportation Number PM 18 of 2020 concerning Transportation Control in the Context of Preventing the Spread of Corona Virus Disease (Covid- 19).

4. Closing

A. Conclusion

Based on the results of the research found and in accordance with the conditions in the field, several conclusions can be drawn, namely:

- a. Tigaras Port as the operator of transportation infrastructure has taken steps to control Corona Virus Disease (Covid-19), during the Corona Virus Disease (Covid-19) pandemic , but they were not carried out consistently because they were only applied at the beginning of the pandemic.
- b. Still low level of compliance from passengers, facilities operators, and transportation infrastructure operators to the implementation of Corona Virus Disease (Covid-19) health protocol.

B. Suggestion

Based on the conclusions that have been obtained, there are several suggestions that can be given based on the research, including:

- a. Tigaras Port as the operator of transportation infrastructure must take steps to control Corona Virus Disease (Covid- 19) according to applicable regulations and run consistently, not only at the beginning of the pandemic.
- b. Related to the level of good adherence of passengers, facilities operators, and transportation infrastructure operators towards the implementation of health protocols Corona Virus Disease (Covid-19) , there are some suggestions include:
 1. Passenger
 - a) Provide socialization to passengers about the importance of implementing health protocols, starting from wearing masks and maintaining distance at ports .
 - b) Providing solutions to passengers based on the identification of factors causing the lack of compliance in implementing health protocols.
 2. The operator of transportation facilities
 - a) Creating an online ticket sales system (online) to reduce physical contact between



- operators of transportation facilities and passengers .
 - b) Implement a routine sterilization schedule for transportation facilities by spraying disinfectants .
 - c) Provide health checks equipment at least means operators such masks, gloves, and hand sanitizer.
3. Transportation infrastructure operator
- a) Always implement and ensure the application of health protocols in the form of routine sterilization through spraying disinfectants and maintaining physical distancing from passengers.
 - b) Prepare a place for washing hands or hand sanitizer at the entrance to transportation infrastructure .
 - c) Carry out checking of passengers' body temperatures in accordance with health protocols .
 - d) Provide complete health and security facilities for the safety of passengers.
4. Government side
- a) Creating strict laws and sanctions for violations of health protocols, especially in the transportation sector.
 - b) Evaluating the existing laws and sanctions in order to find out to what extent the laws and sanctions apply and can be complied with.
 - c) Issue regulations related to Corona Virus Disease (Covid-19) which do not change frequently.

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