



Modernization of "transport" as a public transportation for pressing personal vehicle ownership in the city of Tanjung Pinang

Hari Dewi Purwasih¹, Rafli², Baginda Harahap³

^{1,3}Master of Regional Planning Study Program, Batam University

²Informatics Study Program, Faculty of Technology, Battuta University

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ABSTRACT

The Riau Archipelago, which consists of islands, has its own challenges in terms of development of infrastructure and transportation, so that development and growth each region is not the same, namely with 5 regencies and 2 municipalities. Island Riau includes having high potential in the field of tourism because every island Each has its own beauty and exoticism. Tanjung Pinang City as the Capital Provinces in the last decade have begun to develop and organize themselves into better in regional order but not yet in the transportation system. Public transport not yet felt as a very important thing because the people can still do it walk freely by using his private vehicle. But what is transport general public is still not a matter of urgency in the next decade?. This research is a descriptive research, descriptive research is one type research whose purpose is to provide a complete picture of social settings or intended for exploration and clarification of a phenomenon or social reality, by way of describing a number of variables relating to the problem and the unit studied among the phenomena tested. Here will be presented regarding the factual conditions existing transportation in Tanjung Pinang City and its relevance in the next decade.

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Corresponding Author:

Rafli,
Master of Regional Planning Study Program,
Batam University,
Jl. Abulyatama No. 5, Batam Center 29464 Batam Kepulauan Riau, Indonesia
Email: rafli@univbatam.ac.id

Introduction

Transportation is an important part of people's lives. Transport originates from the Latin word where trans means across or on the other side and portare means to carry or carry. Meanwhile, according to Salim (2000) transportation is a transfer activity goods (cargo) and passengers from one place to another. (NANDA, 2015)Transportation can be provided definition as a business and activity of transporting or carrying goods and/or passengers from one place to another (Buldeo Rai et al., 2017).

Tanjung Pinang City is the capital of the separate Riau Islands Province itself from Riau Province and form its own Province through Law No. 25 2002 concerning the Establishment of the Riau Archipelago Province. Tanjung Pinang City has population distribution of 227,663 (2020 Tanjung Pinang City BPS data) with area of 239.5 square kilometers, part of which is sea waters.

Tanjung Pinang city which is also famous for its Malay history, its seafood specialties that attracts tourists to visit. After the covid-19 virus has passed, you can it is certain that the tourism boom will begin to slowly increase (Purwasih et al., 2023). It's time for the city tourism cities in Indonesia,

especially the Riau Archipelago Province, are starting to improve themselves, especially in the field of regional planning and also the mode of transportation, because it will generate interest, comfort and convenience for tourists and especially for tourists Tanjung Pinang City residents themselves.

With existing technological advances, we all know that transportation online is now the only easiest and fastest alternative that can be used by society. But if this online transportation remains the only mode existing transportation, whether it will be relevant to the Tanjung Pinang City area itself for the next decade for example, because population growth will continue growing and in line with the increase in vehicle ownership. Is City Tanjung Pinang tends to be the same as other big cities that cannot be separated from traffic jams? The congestion has an impact on environmental conditions, namely vehicle pollution motors where there is still a lot of use of fuels that are not environmentally friendly and lack of motor vehicle maintenance. As a result, it is not only road users who incur high vehicle operating costs, but the surrounding environment suffer from the pollution. This problem can be solved by good transportation planning, which starts from good land use planning consistent, planning regular centers of rise and attraction, planning infrastructure and means of transportation with attention to the center of generation and attraction, provide convenient, safe and inexpensive public transportation. So it will come true an efficient, safe and smooth transportation system. Some of the objectives of mass transportation planning are: (a) Prevent problems that are expected to occur in the future. (b) Serving the needs of the community for transportation needs as optimally as possible (c) Identify community problems with transportation and their solutions, (d) Prepare policies for future problems

According to (Asrul, 2014) transportation is a derivative need or necessity secondly, in community economic activities. Transportation is also used as a variable which has an impact on the wheels of the economy. As a support, encouragement, as well as an economic driver which is a function of transportation ((Haryono, 2010).

Portrait of Highway in Tanjung Pinang City, Tanjung Pinang City has a flat and hilly land structure, but has Roads are built in such a way that road conditions are not too steep. Condition road sections that used to be adequate over time have not become adequate due to the number of vehicles is increasing every year. In addition to land management Imperfect parking is also one of the causes of road narrowing.



Figure 1. Merdeka Street, Tanjung Pinang City

For some locations / areas in Tanjung Pinang City, there is no road expansion again possible, because it is very close to the buildings that standing a long time ago. Parking management is required

so that the locations are similar avoid traffic jams and become an orderly location. Ideally, like highways in other cities, Tanjung Pinang City has an average road area + 5 to 6 meters, both for two-way or one-way roads one way (forbidden). During the vulnerable hours in the City of Tanjung Pinang already began to frequently found long traffic jams.



Figure 2. Documentation of Warta Riau Islands 2022

As the provincial capital, road spatial planning should be a priority for the government. However, spatial planning is not the only way to do it namely proper and appropriate mass transportation.

Mode of Transportation in Tanjung Pinang City, Tanjung Pinang City is one of the cities whose mode of transportation has not yet been established so good, never tried to make a regular transportation however inconsistent and back to normal. Modes of transportation in the City Tanjung Pinang include:

Pinang residents call it 'transport', Transport is a kind of carry car that can carry a maximum of 10 (ten) people with a sitting position facing each other. Public transport can at stops along the roadside and if according to existing passenger routes inside then we will be allowed to go up. Transport has existed since time immemorial before the Riau Archipelago seceded from Riau Province (no exact year can be confirmed).

Brother Ojek, Before internet technology as it is today, in the era of ojek, brother the fastest alternative to deliver residents to their destination without having to go around like using transport. Usually, taxi drivers can do us meet at every intersection of alleys or roads. In fact, it's not uncommon for motorcycle taxis already have a subscription to be delivered every day. Now the ojek brother is almost there extinct and replaced by easier online motorcycle taxis.

Taxi, In Tanjung Pinang City, taxis can only be found around the airport and harbor. Taxis are not used by the people of Tanjung Pinang City to become taxis primary means of transportation, usually taxis only take guests/visitors from outside city. However, getting here the number of taxis is getting smaller due to higher fares it is quite expensive and sometimes guests/visitors also prefer to take a motorcycle taxi or now online motorcycle taxi.

Buses, This mode of transportation is only used to take children schools, employees of private and state offices, have not been used for tools public transportation. Even though the bus mode of transportation should be more effective and efficient than other modes of transportation. To press the speed of private vehicle ownership, the bus is an alternative to being wrong a convenient and scalable mode of transportation. Follow the example of neighboring countries like Singapore, the bus is an idol

mode of transportation for its citizens, besides that reduce the number of purchases of private vehicles because they are safer, more comfortable and affordable.

Online Transportation, In the era of all-sophisticated technology, online transportation is one of the most popular practical, once pressed directly come. In Tanjung Pinang City online transportation starting in 2018/2019, free can be ordered anywhere and anywhere. From the modes of transportation that have been described, Tanjung Pinang City does not have one traditional transportation, rickshaws are also only used to transport goods from the main road to the inner market which cannot be entered by pick ups.

Research purposes, The purpose of this study is to try to explain the importance of transportation for life in a regional arrangement, especially City land transportation Tanjung Pinang remembers Tanjung Pinang City as the Capital of the Archipelago Province Riau which should give a better view of the mode of transportation considering Tanjung Pinang City has a location adjacent to the State of Singapore which has a fairly advanced mode of transportation. For now City Tanjung Pinang has not yet experienced the phenomenon of road congestion however can be ascertained in the future along with developments the growth of its people and the development of City vehicle ownership Tanjung Pinang inevitably will experience road congestion. In research also the authors hope that this research as a reference material anticipation and future picture of the importance of public transportation to road conditions Tanjung Pinang City.

Method

The research method used to gather information in this research is by using the method of literature and field studies. Literature method ie collection of data and information sourced from books, scientific journals, scientific articles as a reference then the field study method is collecting data and information straight from the field. The transportation method is a method used to regulate distribution from sources that provide the same product to places that need it optimally at the lowest cost. The transportation method is one of the optimization techniques in operations research that is used to regulate the distribution of goods from various sources to several delivery areas so as to produce optimal distribution costs.

Results and Discussions

In this section, it is explained the results of research and at the same time is given the comprehensive discussion. Results can be presented in figures, graphs, tables and others that make the reader understand easily. The discussion can be made in several sub-chapters.

Reduce The Total Purchase Power Of Vehicles

According to data from the Riau Islands Regional Police, the number of vehicles in the city Tanjung Pinang as of November 2022 is 23,945 private cars, 157,310 vehicles motor vehicles, 229 buses, 5,650 mini buses and 141 special vehicles. The figure will continues to increase due to the easier it is to obtain motorized vehicles.

JUMLAH DATA KENDARAAN POLDA KEPRI								
NO	POLRES/TA	MP	BUS	MB	SPD MOTOR RANSUS	TOTAL	%	
1	KOTA BATAM	150.039	1.565	24.536	745.200	169	922.277	66,30
2	KOTA TANJUNGPINANG	23.943	229	5.650	157.310	141	187.248	13,47
3	KARIMUN	15.563	144	2.728	120.662	50	139.150	10,01
4	BINTAN	6.567	360	2.416	81.997	52	93.430	6,72
5	LINGGA	1.858	23	403	21.191	16	23.494	1,69
6	NATUNA	2.303	20	649	18.811	24	21.813	1,57
7	KEPULAUAN ANAMBAS	166	19	54	3.199	19	3.457	0,25
8	(TAK DIISI)	0	0	0	0	0	0	0,00
TOTAL		202.459	2.365	36.436	1.148.374	471	1.391.008	

Last update : 2022-11-30 22:19:21

Figure 3. Riau Islands Police data November 30, 2022

With the existing roads in Tanjung Pinang City, it is inevitable that it will arrive time Tanjung Pinang City will become a city of traffic jams. See phenomena in big cities in Indonesia, the City of Tanjung Pinang should have been able to take anticipatory steps other than construction of road widening or construction fly over. Not because it is considered unimportant, but in addition to development the Government should take strategic steps in other fields which could be even increase regional income. Pressing the level of people's purchasing power towards vehicles is certainly not an easy thing, but how can the people themselves who prefer to ride public transportation modes rather than buying private vehicle. See how in Singapore the busway mode of transportation to be a convenient choice for its people, Tanjung Pinang City should too can do the same.

"Transport" As Public Transportation In The City Of Tanjung Pinang

Anjung Pinang City is located on an island with Bintan Regency, the boundary between the City Tanjung Pinang and Bintan Regency is at kilometer 16 marked by the Monument Umbrella.



Figure 4. Border of Tanjung Pinang City and Bintan Regency

Tanjung Pinang City starts from kilometer 0, namely in the Old Town which is the start all community activities, as the population growth of Tanjung Pinang City has growing up to 16 kilometers. Development of public transportation in the City Tanjung Pinang can be started by modernizing modes of transportation as public transportation. For the size of the roads in the city of Tanjung Pinang busway it is felt that it will be quite difficult to serve as a means of public transportation, considering Busway requires special lanes and corridors. The Tanjung Pinang City route, which has more small roads, has also become one of the factors is that the busway is not efficient enough as a means of public transportation. Therefore, how can Tanjung Pinang City maintain local wisdom mode of transportation but not outdated either.



Figure 5. Transport / Trans Tanjung Pinang-City Documentation

This white car of a carry type is one of the public transportations in the City Tanjung Pinang. Some people also call it an angkot, but in Tanjung Pinang is also known as Trans (short for Transport). Transport used to be managed by individuals and companies, at In his time, transportation became one of the modes of transportation for almost all urban people Tanjung Pinang. But because it's easy to get a private vehicle, transport gradually ceased to be a social need. Transport is increasingly few in number from year to year. Government intervention is needed so that transport can return operates as a more modernized public transport.

Transport planning as public transportation can be described as follows: (a) The current size of transport is considered too small, so the Government can modify/replace the fleet with a slightly larger type of previously. (b) Designing the exterior of the fleet with Malay writings and ornaments and For example, given the name "Kite Village Transport". (c) Comfortable interior design. (d) Recruiting fleet drivers formally minimizes inappropriate actions. (e) Implementation of scheduled routes and stops according to available stops.

Previously, the use of this transport was usually used to take residents from one place to another with an uncertain route. According to existing passengers get on first then the passengers just follow according to the flow. for some transports used to deliver Indonesian Workers to the Port located at Bintan. With the geographical location of Tanjung Pinang City which is adjacent to The countries of Singapore and Malaysia are many citizens of Tanjung Pinang City who to become Indonesian Migrant Workers in the two neighboring countries.

Benefit

Enactment of a culture of using public transportation has many benefits for an area itself. The benefits that can be obtained from public transportation is as follows: (a) Avoiding severe congestion in an area. (b) The transportation system managed by the Government can generate income the area itself. (c) Information on a clear route will make it easier for tourists to move from one location to another. (d) Reducing air and environmental pollution. (e) Reducing the rate of traffic accidents that are often experienced by motorists private vehicle. (f) More economical in terms of financing. (g) With the existence of public transportation and the majority of people have used it public transportation, then the culture of walking will also be carried out more often. So that people also receive additional benefits, namely being healthier. (h) Growing a social soul as a human being in society.

The role of the Government is very much needed in socializing that with Using public transportation has many benefits people, so that people are more interested in using public transportation rather than private vehicles.

Strategy

Various kinds of strategies implemented by developed countries in the world so that people prefer to use public transportation rather than using private vehicle. The Japanese state limits its people in ownership private vehicles by imposing parking fees, toll fees and fuel costs expensive, they also impose severe sanctions on private vehicle owners who commits an offense. Likewise with the State of Singapore, they implementing a pull and push strategy, namely providing proper transportation to society and provide strict rules against vehicle ownership personal. Habits that are carried out by people in developed countries are no no created just like that, the government has carried out various kinds of regulations in implementing a transportation system for its people. Strategies that can be carried out by the City of Tanjung Pinang in implementing transportation the common choices of the people are: (a) Providing an easy and safe mode of transportation for the community. (b) Management of the parking system, namely requiring the public to have adequate parking space at their place of residence, because the majority the people of Tanjung Pinang City make public roads as parking lots. (c) Tax compliance, in the sense that fines/sanctions are given to vehicle owners who pay no taxes.

Public transportation planning and strategy must be done early, slowly and consistent and clear regulations. The success of a country or region in implementing the public transportation system of course will encounter obstacles and social clash.

Conclusions

Transportation planning has a close relationship with regional planning because both are a field that describes the complexity of something activities that can cause various problems in almost all sectors. System transportation doesn't just go well, there needs to be a strategy, regulation and consistent application from the government to its people. The implementation of public transportation in Tanjung Pinang City can be started regularly using existing modes with modifications and a touch of local wisdom. The progress of a country should continue to be carried out on an ongoing basis, because one progress of a particular field will have an impact on other fields. Tanjung Pinang City does not have traditional means of transportation such as rickshaws, andong as a means of transportation, but for sea transportation Tanjung Pinang City has pompong (motorized boat) to cross from one island to another other. However, transportation that has existed since ancient times can be used as one the typical mode of transportation of Tanjung Pinang City.

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