

## **Analysis of the Implementation of the Dirt Truck Operating Hours Policy in Tangerang Regency**

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### **Abstract**

This study aims to analyze the implementation of the policy on operating hours of dirt trucks in Tangerang Regency based on Regent Regulation Number 12 of 2022. This policy was enacted to limit the operating hours of dirt trucks to reduce congestion and improve traffic safety. The research method used is a normative-empirical juridical method with data collection techniques through observation, interviews, and documentation studies. The results of the study show that the implementation of the policy has not been optimal. Despite the regulations that have been set, there are still 10,989 units of dirt trucks that violate operating hours during 2023. Some of the factors that affect the less effective implementation of this policy include the lack of socialization to truck drivers and entrepreneurs, as well as the limited number of officers in the field to carry out supervision and control.

Keywords: Dirt Trucks; Operating Hours; Policies.

### **I. Introduction**

Tangerang Regency is one of the buffer areas of the City of Jakarta which is experiencing rapid growth in various sectors, including infrastructure and industrial development. This growth is directly proportional to the increase in freight transportation activities, especially transport cars and dirt trucks, which play an important role in supporting construction and development projects. However, the increasing operational intensity of dirt trucks also has an impact on a number of traffic and safety problems on the road, such as congestion, infrastructure damage, and the high number of traffic accidents.

Tangerang Regency has special authority to regulate and manage the interests of the government and the community in its area, as stipulated in the applicable laws and regulations within the framework of the Unitary State of the Republic of Indonesia (NKRI). This local government is led by a Regent, who has responsibility for various local policies. One of the policies implemented by the Tangerang Regency government is to limit the operating hours of vehicles transporting mining products such as soil, sand, and stone. This policy arose due to various problems caused by large vehicles, especially heavily laden trucks, which often pass on major

roads. These vehicles cause rapid road damage, create severe traffic jams, and even trigger accidents that often claim lives (Rokhman et al., 2022).

“Regent Regulation Number 12 of 2022 concerning Restrictions on Operational Time for Transport Cars/Dirt Trucks on Highway Sections in the Tangerang Regency Region” in conjunction with “Regent Regulation Number 46 of 2018 (Regulation on Limitation of Operation Time for Dirt Trucks)” was made as a step to reduce congestion, prevent accidents, and maintain road conditions so that they do not deteriorate quickly or things that are often complaints from the community. This policy aims to protect all levels of society. In addition, the Tangerang Regency Transportation Office also increased supervision of mining and sand transportation trucks to comply with the established operating hours. However, in practice, there are still many heavily loaded trucks that violate these operational rules, still passing outside the time set by the government (Nariasih et al., 2022).

Legal certainty, according to Sudikno Mertokusumo, is the belief that the law is carried out as it should, where people who have legal rights can obtain it, and legal decisions can be implemented (Lesmana & Latif, 2024). Legal certainty can be understood as the application of the law in accordance with the written rules so that the public can know how the law is enforced (Anjarwati et al., 2023). In this context, belief in legal certainty is closely related to the existence of strong legal instruments and the state's responsibility to implement positive laws (Nur, 2023). In order for justice and order in social life to be guaranteed, the law enforced by the competent institution must provide a guarantee of legal certainty (Asmarawati et al., 2020). Without legal certainty, people's lives would become disordered, causing individuals to act carelessly and carelessly. This can trigger social chaos or “social disorganization” (Sidharta, 2006).

In this case, the theory of legal certainty becomes very relevant because it emphasizes the importance of clarity and firmness in legal regulations and how those rules are applied. In the context of the earthen trucking operating hours policy, legal certainty is essential to ensure that the rules enforced are easy to understand and applied equally and fairly. This policy aims to create public safety and comfort, as well as prevent congestion, accidents, and road damage due to mining trucks. Thus, the application of the theory of legal certainty is an important basis for the analysis of the policy, with a focus on clarity and consistency in its implementation in Tangerang Regency.

Previous research on the policy of operating hours of dirt trucks has previously been carried out, as in the research of Ahmad Dodi Hidayat and Febrian Alwan Bahrudin entitled “Implementation of Regent Regulation Number 47 of 2018 concerning Restrictions on Operational Hours of Land Transport Cars on the Road Sections of Kresek District, Tangerang Regency” (Hidayat & Bahrudin, 2023). Then there is a research from Arie Mawardi entitled “Implementation of Regulation No. 36 of 2013 concerning the Operation of Transportation Vehicles in the Pontianak City Area” (Mawardi, 2016). There is also a study by Pradhana Wahyu Nariendra and Juanita entitled “Implementation of Overloading Truck Operational Policy in Jambi Province” (Nariendra & Juanita, 2023).

The difference between research that has been carried out and research research is in the scope and focus of the discussion. In this case, the researcher specifically discussed the policy of earthen truck operating hours in Tangerang Regency as stipulated in the “Regulation on Limitation of Operating Hours for Dirt Trucks”. This study not only explores aspects of existing regulations, but also analyzes the impact of the implementation of these policies on traffic and road user safety. In addition, this study will evaluate the effectiveness of supervision carried out by the Transportation Agency and other related agencies in enforcing the policy. With a more focused approach, it is hoped that this research can provide deeper insights into the implementation of policies and the challenges faced in their regulation.

## II. Research Method

Legal research methods are systematic steps in conducting research, which include the strategies and techniques used to collect and analyze data (Efendi & Rijadi, 2022).. In this study, a normative-empirical legal research method was used, which combines a normative legal approach

with empirical elements. Data was collected directly, including from the “Regulation on Limitation of Operational Time for Dirt Trucks”. This technique also involves the analysis of literature such as theses, journals, and articles related to related regulations, namely “Regent Regulation Number 46 of 2018” (Noor, 2012).

The researcher also conducted interviews with related parties, such as the Department of Transportation to understand more about the implementation and impact of the regulation. Data collection includes observations, interviews, and documentation compiled systematically as the main source of information for research (Noor, 2012). Qualitative and descriptive data analysis techniques are used to understand descriptive data that are not in the form of numbers and provide a detailed overview of the results of document studies, such as the regulations being reviewed. This approach allows researchers to gain a deep understanding of policy implementation from both legal and practical perspectives (Saebani, 2009).

### **III. Result and Discussion**

#### **A. Functions and Duties of the Transportation Office**

The Transportation Service is an institution responsible for the management of transportation in the region, led by the Head of the Service and under the Regent through the Regional Secretary. Although nationally it is under the Ministry of Transportation of the Republic of Indonesia, the Transportation Agency in each region has its own function. The main task of the Ministry of Transportation is to manage national transportation, which consists of several directorates such as land, sea, air, and railway transportation, as well as centers that handle specific aspects of transportation (Biro Komunikasi dan Informasi Publik, 2021).

At the district level, the Transportation Department has several key functions, especially in managing operating hours of large-tonnage vehicles. First, the agency conducts supervision to ensure that these vehicles comply with the set operating time regulations, in order to reduce congestion and improve traffic safety. Second, the agency is also responsible for coaching, by providing socialization regarding road use rules to drivers and operators of large trucks, ensuring they understand and follow existing regulations. Furthermore, the Transportation Department monitors the routes traveled by large-tonnage vehicles so as not to violate the applicable operating hours, which aims to reduce traffic disruptions. The agency also manages special routes that can be passed by heavy vehicles at certain hours, to maintain the efficiency of traffic flow and the safety of other road users (Admin Web Terpadu, 2024).

In Tangerang Regency, the Transportation Agency is divided into several fields that handle various aspects of transportation, such as the field of traffic and road transportation, the field of public transportation, and the field of transportation facilities and infrastructure. Each field has specific responsibilities, from technical planning to oversight of transportation regulations. Through these various efforts, the Transportation Department aims to improve road safety and transportation efficiency in the region, as well as take action against violations that occur.

#### **B. Implementation of Operational Hours of Transport Cars/Land Trucks in Tangerang Regency**

Tangerang Regency has set a policy regarding the operating hours of goods transportation vehicles through the Regulation on Restrictions on Operating Hours of Dirt Trucks. In this regulation, restrictions are imposed on all freight transport vehicles, including mining vehicles such as dirt, sand, and stone trucks. This policy specifically limits the operation of trucks with three to five axles (groups III, IV, and V) between 22:00 WIB and 05:00 WIB, with the exception of toll road sections. This restriction of operational hours aims to maintain smooth traffic and road user safety. Dirt trucks, which are generally large and carry heavy loads, can impede the pace of other vehicles and cause congestion when operating during peak hours. By implementing these restrictions, it is hoped that it can reduce congestion, especially in the morning and evening, as well as minimize the risk of accidents that can occur due to dirt truck activities during the day.

Supervision of compliance with the operating hours rules is carried out by various agencies,

including the Indonesian National Army (TNI), the Indonesian National Police (Polri), the Transportation Service, the Civil Service Police Unit (Satpol PP), and local sub-districts. Violators will be sanctioned according to applicable regulations. The implementation of these operational hours is one of the government's steps to create safe and smooth traffic for all road users. It is hoped that with this policy, congestion and accidents caused by dirt trucks can be minimized. Within the framework of regional autonomy, the Transportation Agency plays a role as an executor in the transportation sector, responsible for all government affairs related to transportation infrastructure in Tangerang Regency. This service is led by the Head of Service who reports to the Regent through the Regional Secretary, showing the hierarchical structure in decision-making and reporting in the local government.

The Government of Tangerang Regency, Banten, is increasing joint operation activities to discipline dirt trucks that violate set operating hours. This step reflects a commitment to regulate truck traffic in accordance with regulations, involving various agencies such as the Transportation Agency, Satpol PP, and other security parties. The main objective of this operation is to enforce order and safety on the highway and reduce the potential for disturbances caused by trucks violating operational conditions. This effort is expected to optimize the use of transportation infrastructure and improve safety and comfort for other road users, as well as being part of the local government's strategy to improve transportation governance and reduce the negative impact of traffic violations.

### C. Supervision of Operational Hours of Transport Cars/Land Trucks in Tangerang Regency

Supervision is the process of monitoring, controlling, and evaluating an activity, policy, or action to ensure that the goals that have been set are achieved effectively and efficiently. Supervision aims to ensure compliance with applicable rules or standards, identify irregularities, and provide solutions or corrective actions for improvement (Lesmana, 2019). In the context of government or organization, supervision also includes actions to keep procedures running in accordance with established policies, as well as avoiding mistakes or abuse of authority. Supervision is carried out continuously or periodically to ensure quality and compliance with applicable regulations (Endang, 2020).

Observations made on the Tangerang Regency Transportation Office related to the analysis of the policy of transportation cars/dirt trucks show that the Transportation Agency has 164 members who are on duty in the field to carry out supervision at 13 monitoring points. The points in question are in the areas of Jayanti, Solear, Tigaraksa, Cikupa, Curug, Legok, Kelapa Dua, Cisauk, Rajeg, Sepatan, Teluk Naga, Kosambi, and Balaraja. The results of supervision at the locations that have been mentioned in 2023 are outlined in the following data recapitulation.

Month	Jayanti		Solear		Tigaraksa		Cikupa		Curug		Legok	
	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL
Jan	16	8	0	0	15	47	3	0	6	167	0	68
Feb	0	0	0	0	3	73	0	0	0	153	0	61
Mar	3	213	32	470	8	63	47	8	80	145	7	122
Apr	17	0	19	233	0	0	7	34	40	80	5	39
May	73	44	30	198	29	87	14	0	43	105	10	82
Jun	36	7	18	176	3	0	4	53	44	121	0	78
Jul	22	134	23	0	0	66	0	0	79	131	11	73

Aug	28	139	31	0	42	59	4	0	74	129	3	72
Sep	38	158	34	0	34	90	12	0	71	133	8	61
Oct	57	185	33	0	3	40	0	5	60	152	1	88
Nov	13	79	28	0	19	69	0	2	77	121	1	69
Dec	21	18	0	0	14	39	0	0	0	181	2	59

Kelapa Dua		Cisauk		Rajeg		Sepatan		Teluk Naga		Kosambi		Balaraja	
L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL
24	74	0	0	0	1	10	4	10	0	0	0	0	0
1	64	0	0	0	2	2	5	32	17	0	0	0	0
27	74	6	142	0	0	0	6	31	17	0	0	0	0
8	29	19	44	0	0	0	0	13	5	0	0	0	0
31	57	0	0	0	0	0	1	26	30	9	0	3	0
32	105	0	0	0	0	1	2	19	7	10	44	10	0
15	87	13	0	0	0	0	0	13	17	0	0	0	0
7	64	0	0	0	0	0	0	12	11	0	0	0	0
2	57	0	0	0	0	19	0	18	8	566	1670	0	0
18	86	2	0	7	14	7	0	4	2	0	260	0	0
6	60	0	0	0	0	7	4	7	9	0	5	0	0
15	76	0	0	0	0	7	0	1	6	0	0	0	0

Note:

L : Loaded

NL : Not Loaded

Table 1. Recapitulation of Security and Supervision of the Perbup on Restrictions on Operation Time of Dirt Trucks

Based on Table 1, we can find out that there are a number of violations of operating hours by transport cars/dirt trucks in Tangerang Regency. The data obtained shows that from January to December 2023, there were 10,989 units of transport cars/dirt trucks that committed violations. When linked to the results of interviews with members of the Transportation Agency, it was revealed that the high number of violations was caused because both drivers and dirt truck entrepreneurs still did not know the regulations regarding the operating hours. In addition, the number of officers at the supervision and control location is also still lacking. This condition indicates the need for increased efforts to disseminate information related to the regulation.

#### D. Implementation of Perbup on Limitation of Operational Time of Dirt Trucks

In the implementation of the Perbup on Restrictions on Operation Time for Dirt Trucks related to the restriction of the operational time of freight cars in the Tangerang Regency area, the Tangerang Transportation Agency has taken strict supervision measures. Based on an interview with Mr. Jimmu Panusunan, S.ST., Head of the Operation Supervision and Control Section, a joint

team has been formed to carry out surveillance operations against dirt trucks that violate the rules of operating hours. Trucks that pass before operational hours will be detained until the allowed time arrives, after which they will be allowed to continue their journey.

Policy-related socialization is an effort to disseminate information and understanding about a policy to the community or affected parties. The goal is for all parties to understand, accept, and be able to implement the policy properly (Alam et al., 2023). Policy socialization is very important so that the policy can be accepted and implemented effectively by the community. Therefore, socialization related to this rule also continues to be intensified to ensure compliance from various parties. If any truck violates by entering the Tangerang area before the permitted hours, they will be required to return to their place of origin, and strict action from the police will be taken in case of a violation.

Based on the results of observations and research observations on the implementation of this regulation, the researcher stated that its implementation cannot be said to be fully effective. Although after the implementation of the rules accompanied by various other efforts, such as socialization and supervision, the number of accidents and congestion has indeed decreased. This is due to the limitation of the operational time of trucks or heavy cargo transportation which are only allowed to cross the highway at certain times according to the stipulated provisions. However, this decline has not yet reached maximum results. Violations were still found caused by the lack of awareness of drivers and truck entrepreneurs to the regulation of operating hours, as well as the limited number of officers who supervised in the field. In addition, the distribution of information about this rule is also felt to be uneven, so that some parties still do not fully understand the applicable rules. This shows the need for improvement in aspects of enforcement, socialization, and cross-agency coordination to achieve more optimal effectiveness.

#### **E. Obstacles to the Implementation of the Perbup on Limiting Ground Truck Operational Time**

In the implementation of the policy of Limiting Ground Truck Operational Time in Tangerang Regency based on Regent Regulation No. 12 of 2022, there are various obstacles and challenges faced by the Transportation Office. According to Mr. Jimmy Panusunan, S.ST, one of the main obstacles faced is the lack of human resources. In this case, there are only 164 officers who are tasked with supervising all roads affected by this policy. In addition, narrow road conditions are an additional challenge, as it makes it difficult for officers to ask heavy vehicles such as dirt trucks to make a U-turn if they violate the rules of operating hours.

Although cooperation has been carried out with the TNI, Polri, Satpol PP, and sub-districts in the implementation of this policy, there are still many violations that have occurred. Dirt trucks often operate outside the predetermined hours, which is between 22.00 to 05.00 WIB. The implementation of this regulation has not been fully optimal, as can be seen from the data on violations throughout 2023, where as many as 10,989 units of dirt trucks were recorded in violation of operational rules.

Another obstacle revealed through interviews is the lack of awareness and information among truck drivers and entrepreneurs regarding the rules of operating hours. Many of them do not know or do not understand the rules, which leads to non-compliance with the policy. In addition, the limited number of officers to carry out supervision and control in strategic locations also worsens the situation, because not all violations can be acted upon quickly and decisively.

This condition confirms that there is a need to increase socialization efforts and disseminate information about the rules of operating hours to drivers and dirt truck entrepreneurs. With the wider dissemination of information and increased supervision and law enforcement, it is hoped that compliance with this regulation can increase, so that the goal of reducing congestion, improving safety, and protecting highway infrastructure in Tangerang Regency can be achieved.

#### **IV. Conclusion**

The implementation of the earthen truck operating hours policy in Tangerang Regency shows

that although regulations have been set to regulate traffic and improve the safety of road users, implementation in the field still faces various challenges. The data shows a high number of violations, with 10,989 units of dirt trucks violating the rules throughout 2023. The results of the interviews revealed that many drivers and truck entrepreneurs do not understand the existing regulations, due to a lack of socialization and information regarding the policy. In addition, the number of officers on duty at surveillance points is also still limited, which results in less effective supervision and law enforcement. Therefore, the researcher suggests that there needs to be further efforts from the Transportation Department and related parties to increase policy socialization, increase the number of officers at the supervision location, and implement strict sanctions against violators. With these steps, it is hoped that the implementation of the earthen truck operating hours policy can run more effectively, so as to reduce congestion and improve safety on the highway in Tangerang Regency.

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