



# Operational Schedules for Heavy Equipment Transportation Vehicles: A Case Study of Sangatta City of Indonesia (Study of Policy on Regulation of HETV Operational Hours)

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## ABSTRACT

*The purpose of this research is to describe and analyze the Implementation of the Policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles (HETV's) in Sangatta City based on the Regulation of the Regent of East Kutai Number 20 Years, and to describe and analyze the factors supporting and inhibiting the Implementation of Policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles in Sangatta City based on the Regulation of the Regent of East Kutai Number 20 Years. This type of descriptive research uses a qualitative methodology. By using the theory of public policy implementation, this study aims to describe and analyze the implementation of the policy on Regulation of Operational Hours of Heavy Equipment Transport in Sangatta City, based on the Regulation of the Regent of East Kutai Number 20 of 2018. The findings of this study are that the implementation of the policy on Regulation of Operational Hours of Transport Vehicles Heavy Equipment in Sangatta City is based on East Kutai Regent Regulation Number 20 of 2018 in terms of mechanisms, coordination, prohibition of crossings, and violations that occur not continuously, clear and consistent communication; additional sources of authority owned by the executor, selective appointment of the executor.*

**Keywords:** Transportation of Heavy Equipment, Vehicle Operations.

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## 1. INTRODUCTION

Considering the increasing growth of East Kutai Regency, particularly Sangatta City, traffic is a complicated issue. The development of East Kutai Regency, Sangatta City, is evidenced by the development carried out by the Regency government, particularly physical development such as roads, buildings, and retail malls. With the city's rapid growth comes an increase in the traffic volume on the roadway. The activities of goods transportation or heavy equipment transportation are categorized as exceptional cases that occur in the community, so the existing problems are used as the subject of this study, which focuses on heavy equipment vehicles that pass on the highway or crossings that should be improved. The economic facilities of the local community, such as potholes, have been harmed and pose a risk to other road users [Son et al., 2022]. Cases such as these become a presumption that can be attributed to the subjects of this study not being optimally controlled. As a government administrator, it is the government's job to address the traffic flow issue. In this instance, the Department of Transportation, namely the Land Section for Road Transport Traffic, is tasked with regulating traffic to ensure vehicles' smooth flow .

The density of traffic created by goods hauling vehicles has a significant impact on nearby public road users. This is because the entry of heavy equipment and transport vehicles into the city can severely disrupt security, safety, order, and traffic flow, making it extremely dangerous for other road users [T. Reza Zulkarnaen. 2011]. The intensity of traffic caused by heavy equipment transport vehicles travelling through the city strongly motivates the Regional Government to issue Regent's rule number 20 of 2018 regarding the regulation of operating hours for heavy equipment transport vehicles in the city. Though The Government of East Kutai Regency has published a policy to govern heavy equipment transport vehicles that pass through the city, but the policy is frequently disobeyed or disregarded by heavy equipment transport vehicle owners and drivers. In Sangatta, such occurrences are still common in the countryside and on the roads.

To describe and analyze the Implementation of Policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles in Sangatta City based on the Regulation of the Regent of East Kutai Number 20 Years, and to describe and analyze the factors supporting and inhibiting the Implementation of Policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles in Sangatta City based on the Regulation of the Regent of East Kutai Number 20 Years. Practically, it is anticipated that the East Kutai Regency Government will use this research to control the operating hours of heavy equipment



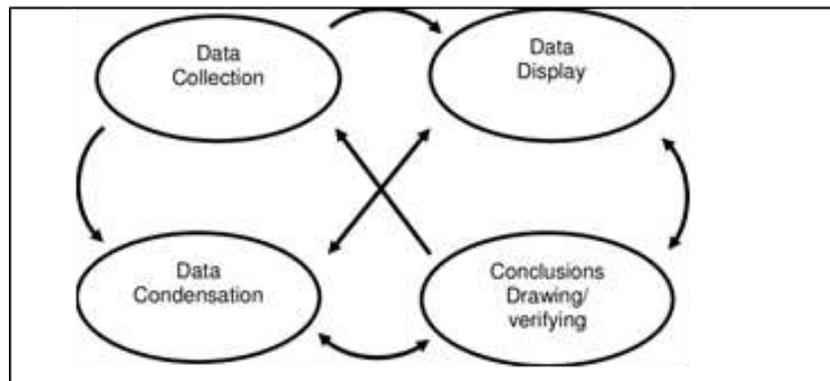


Figure 2. Inter-Interactive Data Analysis Scheme of Miles, Huberman, and Saldana

Sources: [8]

### 3.3 Informant

This research was conducted by collecting data from the object of study by the observed phenomena, selecting as informants officers/employees of the Department of Transportation and drivers of heavy equipment transport vehicles, as well as road users and people living along a road traversed by heavy equipment transport vehicles. According to the researcher, each informant constituted the subject of the study. The researcher obtained sources of information from the environment and the search results of researchers assisted by several pals.

## 4. RESEARCH RESULTS AND DISCUSSION

### 4.1 Research Outcomes

This Communication indicator examines the method, coordination, crossing prohibitions, and violations of the Regulation of Operating Hours for Heavy Equipment Transport Vehicles in the City of Sangatta. The results of interviews and documentation with informants addressing the communication method in setting operating hours for heavy equipment transport vehicles in the city will be shown below. Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), disclosed: "The mechanism regarding the regulation of operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 is effectively communicated to policy implementing personnel, to group targets, and to stakeholders" (Interview, March 30 2022).

The results of interviews with informants addressing the sub-indicators of communication coordination in establishing operating hours for heavy equipment vehicles by East Kutai Regent Regulation No. 20 for 2018 will be reported below. Mr Rizal Hadi, SIP (Head of the District Transportation Office) East Kutai, revealed in this study, "The policy of regulating the operating hours of heavy equipment transport vehicles based on the East Kutai Regent Regulation Number 20 of 2018 has also been coordinated to policy implementing personnel, to target groups, and stakeholders so that they can understand the aims, objectives, targets, and substance of this policy" (Interview, March 30 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated: "The implementation of the policy of regulating the operating hours of heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 has also been coordinated clearly and accurately to the implementers, the target group, and its stakeholders so that they are aware of the policy's aims, objectives, targets, and working mechanism" (Interview, April 07 2022). Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated: "The implementation of the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 has been communicated to all levels of society, including us public transport entrepreneurs, in the hope that all parties understand the policy's concept correctly" (Interview, April 18 2022).

Mr Nanang (Heavy Equipment Transport Vehicle Driver) disclosed, "Communications regarding coordination of operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 are communicated to the target group and other related parties so that we can truly understand this policy" (Interview, May 05 2022). The results of informant interviews about the sub-indicators of the ban of crossing communications in regulating operating hours for heavy equipment transport trucks based on East Kutai Regent Regulation No. 20 for 2018 will be shown below. Regarding this matter, Mr Rizal Hadi, SIP (Head of the Regency Transportation Office) East Kutai, stated: "The policy regarding the prohibition of crossing and

violations based on East Kutai Regent Regulation Number 20 of 2018 has been consistently communicated to implementers, target groups, and stakeholders so that the policies adopted are not ambiguous" (Interview, March 30). 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "The policy regarding the prohibition of crossing and violations based on East Kutai Regent Regulation Number 20 of 2018 has also been consistently communicated to implementers, the target group, and stakeholders so that implemented policies can be relied upon" (Interview, April 07 2022). Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated, "To the best of our knowledge, the implementation of the policy regarding the prohibition of crossing and violations based on East Kutai Regent Regulation Number 20 of 2018 has been consistently communicated to all parties involved, with the hope that all parties involved are not confused in implementing the policy" (Interview, April 18 2022).

Mr Nanang (Heavy Equipment Transport Vehicle Driver) disclosed, "Communication regarding the prohibition of crossing and violations based on East Kutai Regent Regulation Number 20 of 2018 has also been consistently communicated to the implementation and policy targets, so they are not confused by the policy" (Interview, May 05 2022). Based on the results of the research on the communication above indicators, it can be concluded that communication in the implementation of the policy of regulating operating hours for heavy equipment transport vehicles in Sangatta City based on East Kutai Regent Regulation Number 20 of 2018 has been conveyed accurately, clearly, and consistently to the implementer, the target group, and other interested parties so that they are aware of the objectives, target group, and other pertinent information.

In this resource indicator, the sub-indicators of human resources, budget resources, facilities and infrastructure resources, and authority resources will be used to evaluate the implementation of policies regulating operating hours for heavy equipment vehicles in Sangatta City by East Kutai Regent Regulation No. 20, 2018. The results of interviews with informants addressing the sub-indicators of human resources in implementing the policy to regulate the operating hours of heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 will be provided below.

Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), stated in this instance: "Frankly, the mechanism for preparing human resources, budget, facilities, and infrastructure, as well as the authority possessed in implementing the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 requires time and is therefore inadequate in both quantity and quality. Quality" (Interview, March 30, 2022) Mr Awang Adi Juniastara, SH (Head of the Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service) noted, "The method for preparing human resources, which includes people, budget, infrastructure, and authority, is lengthy. Therefore, the execution of the policy controlling the operating hours of heavy equipment vehicles by East Kutai Regent Regulation No. 20 of 2018 lacks the necessary funding.

Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated: "Based on our observations, the policy for controlling operating hours for heavy equipment vehicles outlined in East Kutai Regent Regulation No. 20 of 2018 is being implemented with insufficient resources. In the future, we expect that the leadership of the relevant agencies will focus on increasing their human, financial, infrastructure, and authority resources so that they have qualified and highly committed field staff (Interview, April 18 2022). Mr Nanang (Heavy Equipment Transport Vehicle Driver) disclosed, "The method for preparing resources for implementing the policy for controlling operation hours for heavy equipment transport vehicles based on East Kutai Regent Regulation No. 20 of 2018 appears deficient. Only one applicant will be considered for the temporary supervisor position (one). Human resources are required, particularly officials who are firm, honest, and responsible (Interview, May 05 2022).

The results of interviews with informants regarding coordination to obtain resources for sub-indicators of budget resources in implementing the policy regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 are presented in the sections that follow. Regarding this, Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), stated, "The available resources for implementing the policy for regulating operating hours for heavy equipment vehicles by East Kutai Regent Regulation Number 20 of 2018 are still insufficient. Therefore, we coordinate solely for the execution of important programs and activities" (Interview, March 30, 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "Resources are available to implement the policy of regulating the operating hours of heavy equipment transport vehicles by East Kutai Regent Regulation No. 20 of the year 2018 is still deficient. Thus coordination with linked parties is required to satisfy all unmet needs with available resources. (Interview, April 07, 2022) Mr Imran, DM (Transportation Service Officer for the East Kutai District), stated: "It is necessary to coordinate with appropriate agencies regarding the resources required to implement this policy. However, we believe that the East Kutai Regency Government's resources are sufficient to meet

all requirements for implementing the regulation controlling the operating hours of these heavy equipment transport vehicles." (Interview, April 18, 2022).

Mr Nanang (Driver of Heavy Equipment Transport Vehicles) commented, "I am unaware of the resources available to enforce the policy controlling operation hours for heavy equipment transport vehicles in Sangatta City" (Interview, May 05 2022). The results of interviews with informants regarding the sub-indicators of facilities and infrastructure resources for implementing policies regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 will be presented below. Mr Rizal Hadi, SIP (Director of the East Kutai Regency Transportation Service), stated: "The fiscal and infrastructure resources available to us are insufficient to implement the crossing prohibition mandated by East Kutai Regent Regulation No. 20 of 2018," the report reads (Interview, March 30 2022). Head of the Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service, Mr Awang Adi Juniastara, SH, stated: "Implementing the prohibition on crossing for heavy equipment transport trucks based on East Kutai Regent Regulation No. 20 of 2018 will require substantial resources. However, the amount and quality of the resources we have to implement the policy are insufficient" (Interview, April 07 2022).

Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated: "It is certain that the need for infrastructure in the implementation of the policy of regulating operating hours for heavy equipment vehicles by East Kutai Regent Regulation No. 20 of 2018 is very great because the implementation of the policy requires suitable infrastructure" (Interview, April 18 2022). Mr Nanang (Heavy Equipment Transport Vehicle Driver) stated, "Clearly, the implementation of the policy regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 requires adequate resources so that they can implement a no-passing policy by the Regent's Regulation" (Interview, May 05 2022). The results of interviews with informants addressing the sub-indicators of authority resources for implementing policies restricting operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 will be reported below. Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), disclosed the following:

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "The implementation of the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 already has sufficient authority resources, so that the implementers of the policy can make decisions based on their authority" (Interview, April 07 2022). Mr Imran, DM (East Kutai Regency Transportation Service Officer), remarked, "Actions against violators have been outlined in East Kutai Regent Regulation No. 20 of 2018 by the authority had" (Interview, April 18 2022). Mr Nanang (Heavy Equipment Transport Vehicle Driver) disclosed: "The implementing authority in implementing policies on the regulation of operating hours for heavy equipment transport vehicles is, of course, already regulated in 2018 East Kutai Regent Regulation Number 20" (Interview date: May 05, 2022).

The existence of human resources, budget resources, and infrastructure resources for implementing the policy regulating operating hours for heavy equipment vehicles in Sangatta City is based on the East Kutai Regent Regulation, according to the results of research on the resource indicators listed above. Two teen Years 2018 is still limited. However, the authority's resources for implementing the policy are sufficient, allowing policy implementers to make independent decisions based on their authority. In this disposition indicator, the sub-indicators for appointing bureaucratic personnel and incentives in implementing policies for regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 for 2018 will be evaluated.

The results of interviews with informants regarding the sub-indicators of the appointment of bureaucratic personnel in implementing policies regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 will be presented below. In this study, Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), revealed, "The mechanism for the appointment of personnel in charge of implementing the policy of regulating operating hours for heavy equipment transport vehicles by East Kutai Regent Regulation Number 20 of 2018 is carried out by selecting the most qualified and devoted individuals" (Interview, March 30 2022) extraordinarily talented and devoted individual" (Interview, April 07 2022).

Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated, "We hope that the mechanism for the appointment of personnel implementing policies for regulating operating hours for heavy equipment vehicles by East Kutai Regent Regulation No. 20 of 2018 is carried out selectively" (Interview, April 18 2022). Mr Nanang (Driver of Heavy Equipment Transport Vehicles) stated, "We do not know how the procedure for appointing employees to implement the policy on public roads in East Kutai Regency would work." (Interview date: May 05, 2022) The results of interviews with informants regarding incentive sub-indicators for executing policies controlling operation hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 are shown below.

Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), disclosed: "The mechanism for providing incentives for personnel in the implementation of the policy of regulating operating hours for heavy equipment transport vehicles in Sangatta City based on East Kutai Regent Regulation No. 20 of 2018 has been provided, even though the number is still small" (Interview, March 30 2022). "The East Kutai Regent Regulation No. 20 of 2018 has been completed despite its small size" (Interview, April 07 2022). Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated: "The mechanism for providing incentives for policy implementers in regulating the operating hours of heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 has been implemented, albeit in a limited capacity" ( Interview, April 18, 2022).

Mr Nanang (Driver of a Heavy Equipment Transport Vehicle) stated, "I was unaware of this" (Interview, May 05 2022). The disposition or attitude of implementers in implementing the policy of regulating operating hours for heavy equipment transport vehicles in Sangatta City based on East Kutai Regent Regulation No. 20 for 2018 is always supportive, according to the research results on disposition indicators. The attitude of support for the policy is prompted by the appointment of policy implementers, which is conducted selectively by selecting the most competent and dedicated individuals. In addition, the policy's implementers have been provided incentives to enhance their performance, even though the nominal amount is still not feasible.

The results of interviews with informants regarding the Standard Operating Procedures (SOP) sub-indicators for implementing the policy regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 will be presented below. Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), said, "The application of the Prohibition of Passing complies with Standard Operating Procedures. Procedures based on East Kutai Regent Regulation No. 20 of 2018, enacted to enhance work effectiveness and efficiency" (Interview, March 30 2022). Mr Awang Adi Juniastara, SH (Head of the Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service) remarked, "Standard Operating Procedures for the prohibition of crossing continue to adhere to Regent's Regulation" (Interview, April 07 2022).

Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated: "Standard Operating Procedures for the prohibition of crossing in the implementation of the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation No. 20 of 2018 have been enacted but have not yet been consistently implemented" (Interview, April 18, 2022). Mr Nanang (Driver of a Heavy Equipment Transport Vehicle) stated, "The regulation controlling the operating hours of heavy equipment transport trucks in this city is, in my opinion, a fairly sound public policy. Therefore, it is appropriate to adopt Standard Operating Procedures in its implementation." (Interview date: May 05, 2022).

The results of interviews with informants regarding the allocation of responsibility sub-indicators in implementing policies for regulating operating hours for heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018 are presented below. Mr Rizali Hadi, SIP (Head of the East Kutai Regency Transportation Service), revealed: "The division of responsibility for violations that occur in each organizational unit in the implementation of the policy on Regulation of Operating Hours for Heavy Equipment Transport Vehicles in the City of Sangatta based on the Regulation of the Regent of Kutai Timur Number 20 of 2018 is carried out according to their respective main tasks and functions" (Interview, March 30, 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "The distribution of duties and responsibilities of implementers to each organizational unit in the implementation of the policy of Setting Operating Hours for Heavy Equipment Transport Vehicles in the City of Sangatta is based on their primary tupoksi" (Interview, April 07 2022). Mr Imran, DM (Transportation Service Officer for the East Kutai Regency), remarked, "In regards to the distribution of responsibility to the implementers of this policy, it is carried out by the primary tasks and roles" (Interview, April 18 2022). Mr Nanang (Driver of a Heavy Equipment Transport Vehicle) stated, "I had no idea" (Interview, May 05 2022).

Based on the previous research results on bureaucratic structure indicators, it can be concluded that the bureaucratic structure in the implementation of the policy on Regulation of Operating Hours for Heavy Equipment Transport Vehicles in Sangatta City based on East Kutai Regent Regulation Number 20 of 2018 is carried out effectively and efficiently because it has been strengthened by the implementation of Standard Operating Procedures (SOP) even though it has a relatively small size. In addition, the bureaucratic structure of the policy has been bolstered by assigning responsibilities to implementers within each organizational unit by their primary duties and responsibilities.

Indicators of supporting factors and indicators of inhibiting factors are used to examine the supporting and inhibiting factors in implementing the policy regulating operating hours of heavy equipment transport vehicles in Sangatta City based on East Kutai

Regent Regulation Number 20 of 2018. This indicator of a supporting factor is derived from the sub-indicators of internal supporting factors and external supporting factors in implementing the policy regulating operating hours for heavy equipment transport vehicles in Sangatta City under East Kutai Regent Regulation No. 20 of 2018. The results of interviews with informants regarding the sub-indicators of internal supporting factors for the implementation of the policy on Regulation of Operational Hours of Heavy Equipment Transport Vehicles in Sangatta City, based on East Kutai Regent Regulation No. 20 of 2018, will be presented below.

Mr Rizali Hadi, SIP (Head of the East Kutai Regency Transportation Service), commented on this matter: "Internal factors that support the implementation of the policy of regulating operating hours for heavy equipment transport vehicles by East Kutai Regent Regulation No. 20 of 2018 are that communication about the regulation has been channelled appropriately, clearly, and consistently, and the authority resources they have are adequate" (Interview, March 30, 2022). Mr Awang Juni Astara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "Internal factors that support the implementation of the policy of regulating operating hours for heavy equipment transport vehicles in the city are excellent, in that the authority resources owned by the implementers are sufficient; and the division of implementing responsibilities in each organizational unit has been carried out clearly by the main ta (Interview, April 07 2022).

Mr Imran, DM (East Kutai Regency Transportation Service Officer), stated, "In our opinion, the internal factors that support the implementation of the policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles in the city of Sangatta include the clear division of responsibilities for implementers based on Kutai Regent's Regulation Timur No. 20 of 2018" (Interview, April 18 2022). Mr Nanang (Driver of Heavy Equipment Transport Vehicles) disclosed, "I do not comprehend the internal causes that support the implementation of the policy controlling operating hours for heavy equipment transport vehicles." (Interview date: May 05, 2022).

The results of informant interviews regarding the sub-indicators of external supporting factors for implementing the policy regulating operating hours for heavy equipment transport vehicles in Sangatta City under East Kutai Regent Regulation No. 20 of 2018 are provided below. Mr Rizali Hadi, SIP (Head of the East Kutai Regency Transportation Service), stated, "Among the external factors that support the implementation of policies regarding the regulation of operating hours for heavy equipment vehicles in the city is the emergence of a high awareness attitude from the community, both on behalf of individuals and institutions, in response to violations that occurred in the implementation of these public policies" (Interview, March 30, 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "External factors that support the implementation of the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation Number 20 of 2018 are community support to comply with local government-issued policies" (Interview, April 07 2022). Mr Imran DM (Office of Transportation of East Kutai Regency) stated, "In our opinion, external factors that support the implementation of policies on regulating the operating hours of heavy equipment transport vehicles include support from professional organizations and local non-governmental organizations to help remind offenders of East Kutai Regent Regulation Number 20 of 2018." (Interview, April 18 2022).

Mr Nanang (Heavy Equipment Transport Vehicle Driver) disclosed, "External factors that support the implementation of the policy on regulating operating hours for heavy equipment transport vehicles in the city of Sangatta are the critical attitude of the local community towards violations of the regulation of operating hours for heavy equipment transport vehicles in the city of Sangatta based on East Kutai Regent Regulation Number 20 of 2018." (Interview, May 05 2022). The internal factors that support implementing the policy regulating the operating hours of heavy equipment transport vehicles in Sangatta City are based on East Kutai Regent Regulation No. 20 Year. 2018 among others, communication is channelled appropriately, clearly, and consistently; the authority resources owned by the executor are sufficient; the appointment of the executor has been conducted selectively, and the division of implementing responsibilities in each organizational unit has been conducted clearly according to the principal tasks and functions. In the meantime, external variables that promote the policy implementation include the creation of a critical attitude or heightened community awareness, both on the part of individuals and institutions, in response to various policy violations.

In this indicator of inhibiting factors, the sub-indicators of internal and external factors demonstrate the implementation of the policy regulating the operating hours of heavy equipment transport vehicles in Sangatta City by East Kutai Regent Regulation No. 20 of 2018. Based on East Kutai Regent Regulation No. 1, interviews with informants regarding internal sub-indicators impeding the implementation of policies regarding the regulation of operating hours for heavy equipment vehicles are presented below. In this instance, Mr Rizal Hadi, SIP (Head of the East Kutai Regency Transportation Service), disclosed: "Based on East Kutai Regent Regulation Number 20, internal factors impede the application of the policy governing operating hours for heavy

equipment transport vehicles in the city. 2018 is the year in which human resources are owned. Sufficient, present budgetary resources are inadequate, and available infrastructural resources are inadequate" (Interview, March 30, 2022).

Mr Awang Adi Juniastara, SH (Head of Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service), stated, "Many internal factors hinder the implementation of the policy of regulating operating hours for heavy equipment transport vehicles based on East Kutai Regent Regulation No. Limited human resources, inadequate budgetary resources, inadequate infrastructure resources, inadequate incentives for implementers, and inconsistent use of SOPs" (Interview, April 07 2022). Mr Imran, DM (Transportation Service Officer for the East Kutai Regency), remarked, "In our opinion, the internal causes that hamper the execution of the regulation on regulating operation hours for heavy equipment transport vehicles include human resource and infrastructure constraints" (Interview, April 18 2022). Mr Nanang (Driver of Heavy Equipment Transport Vehicles) disclosed, "Internal circumstances that impede the application of the policy restricting operation hours for heavy equipment transport vehicles in the city are genuine, I don't know" (Interview, May 05 2022).

The results of interviews with informants regarding the sub-indicators of external inhibiting factors in implementing policies regarding the regulation of operating hours for heavy equipment transport vehicles in the city under East Kutai Regent Regulation No. 20 of 2018 will be presented below. In this regard, Mr Rizali Hadi, SIP (Head of the East Kutai Regency Transportation Service), said, "Among the external obstacles impeding the implementation of the policy controlling the operating hours of heavy equipment transport vehicles by East Kutai Regent Regulation No. Even in 2018, there are still many freight transport vehicles. Passage of heavy equipment transport vehicles through the city during crossing hours is strictly forbidden and is supervised by the East Kutai Regency Transportation Service (Interview, March 30, 2022).

## **5. CONCLUSIONS AND RECOMMENDATIONS**

### **5.1 Conclusions**

Based on the discussion of the research outcomes, the following inferences can be made: The implementation of the policy on Regulation of Operational Hours of Heavy Equipment Transport Vehicles in the City of Sangatta based on East Kutai Regent Regulation No. 20 of 2018 in terms of indicators of communication, resources, disposition, and bureaucratic structure is not carried out continuously, and some factors impede its implementation. In terms of communication indicators, the distribution of communication in the implementation of the policy on Regulation of Operational Hours of Heavy Equipment Transport Vehicles in the City of Sangatta Based on East Kutai Regent Regulation No. 20 of 2018 has been carried out in a precise, clear, and consistent manner so that implementers, target groups, and other interested parties are aware of the policy's goals, objectives, and substance. Regarding resource indicators, the policy on Regulation of 98 Hours of Operation for Heavy Equipment Transport Vehicles in the City of Sangatta, based on East Kutai Regent Regulation Number 20 of 2018, is still lacking in human resources, budgetary resources, and infrastructure resources. However, the authority's resources for implementing the policy are sufficient, allowing policy implementers to make independent decisions based on their authority. Regarding disposition indicators, implementers' attitude (disposition) during the implementation of the policy of Setting Operating Hours for Heavy Equipment Transport Vehicles in the City of Sangatta Based on East Kutai Regent Regulation No. 20 of 2018 has supported the existence of this policy. The attitude of support for the policy is prompted by the appointment of policy implementers, which is conducted selectively by selecting the most competent and dedicated individuals. In addition, the policy's implementers have been provided incentives to enhance their performance, even though the nominal amount is still not feasible. In terms of bureaucratic structure indicators, the implementation of the policy of Setting Operational Hours for Heavy Equipment Transport Vehicles in the City of Sangatta, based on the East Kutai Regent Regulation Number 20 of 2018, already has a relatively effective and efficient bureaucratic structure because it has been strengthened by the implementation of Standard Operating Procedures (SOP) even though it has not been implemented. Consistently. Besides that, the policy on Regulation of Operational Hours of Heavy Equipment Transport Vehicles in the City of Sangatta, based on the East Kutai Regent Regulation Number 20 of 2018, supports inhibiting factors. In terms of indicators supporting factors, the internal factors that support the implementation of the policy on Regulation of Operational Hours for Heavy Equipment Transport Vehicles in the City of Sangatta Based on the East Kutai Regent Regulation Number 20 of 2018 include communication that has been channelled appropriately, clearly, and consistently; the authority resources owned by the executor are sufficient; the appointment of an executor is carried out selectively, and the division of responsibilities for implementers in each organizational unit has been carried out clearly according to the main tasks and functions. In the meantime, external factors that promote the implementation of the policy include the creation of a critical attitude on the part of the local community, both on the part of individuals and institutions, in response to various policy infractions. b. Indicators of inhibitory factors Internal factors that impede the implementation of the policy on Regulation of Operating Hours for Heavy Equipment Transport Vehicles in the City of Sangatta Based on the East Kutai Regent Regulation No. 20 of 2018 include inadequate human resources, inadequate budgetary resources, inadequate infrastructure resources, inadequate availability, inadequate incentives, and inconsistent implementation of Standard Operating Procedures (SOP). External factors that impede the

policy implementation include drivers of heavy equipment transport vehicles passing through the city, particularly during traffic jams, which cause traffic congestion, and the impact of dirty air pollution from passing large vehicles on the surrounding community.

## **5.2 Recommendations**

Based on the research above findings and their conclusions, the author might make the following recommendations: On the communication indicator, it is recommended that the distribution of information about the implementation of the policy on Regulation of Operating Hours of Heavy Equipment Transport Vehicles in the City of Sangatta Based on the Regulation of the Regent of East Kutai Number 20 Years is not only focused on to internal implementers but also target groups (public road users) and stakeholders. Regarding the resource indicator, it is suggested that the Regent of East Kutai, through the relevant offices, pay attention to and find solutions to the shortage/weakness of human resources, budgetary resources, and infrastructure resources when implementing policies to regulate the operating hours of heavy equipment transport vehicles in their region. On the disposition indicator, it is recommended that the Regent of East Kutai, through the relevant offices, increase the budget for the provision of incentives for implementing policies on operating hours for heavy equipment transport vehicles in his area to improve the performance of implementing these policies. Based on bureaucratic structure indicators, it is recommended that the Head of the Road Traffic dan Transportation Section of the East Kutai Regency Transportation Service consistently applies Standard Operating Procedures (SOP) when implementing policies regarding the regulation of operating hours for heavy equipment transport vehicles in their respective work areas. In the sub-indicator of hindering factors, it is proposed that the Department of Transportation, the authorities,

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