

# Enforcement Effectiveness Traffic Violations By Electronic Traffic Law Enforcement ( ETLE ) at Polrestabes Semarang Jurisdiction

Bagus Setiyono

Akademi Kepolisian, Indonesia

\* Corresponding Author : [bagussetiyono@akpol.ac.id](mailto:bagussetiyono@akpol.ac.id)

---

## Abstract

*The development of digital technology and government policies taken due to the Covid 19 Pandemic is still on going make Traffic Police in Indonesia uses the ETLE system in terms of violation enforcement. There are various obstacles that cause violation cannot be completely detected and result in traffic accident that are still happening.*

**Keywords:** *Traffic Violation Enforcement, Effectiveness, ETLE*

---

## INTRODUCTION

So cross Which ideal is Then cross Which safe, Happy, orderly And fluent. Wrong One means to support smooth and orderly traffic, the Republic of Indonesia Police using ETLE as a technological system that can be a means of law enforcement law by using cameras as electronic devices to detect various types of violation Then cross as well as provide data vehicle in a way automatic based on *Automatic Number Plate Recognition (ANPR)*.

System traffic ticket electronic depend on camera Which installed in road – road main, so that can only detect violations on certain road sections where ETLE cameras are installed so that supervision to violation traffic No implemented in a way maximum.

## METHOD

### 1. Method Approach

Writing this script use method descriptive the analysis that emphasize on something the process of decrypting data in the field, then analyzing it to find out problems that arise, and how to solve the problems. want to achieve. The approach in writing this script is obtained through in-depth study of the task and study literature, as well as based on knowledge And experience Which owned writer.

### 2. Specification Study

In this context, the focus of the research is how to optimize the use of ETLE. in preventing traffic accidents and trying to identify the factors that cause them. influence in use ETLE.

### 3. Type Data

In study This writer use data based on the source that is :

- a. Data Primary in the form of interview direct Which writer get from Chief of Police Semarang Kombes Pol Irwan Anwar SIK, SH, M.Hum along with the related ranks in arrangement passed cross And Wrong One perpetrator violation So Cross Father Gus Triyono. Area Semarang writer take Because the location Which The same with location writer stay
- b. Secondary data, namely from information media, literature studies, police magazines, journals Which related with problems study, media print and also media Internet.

**4. Technique Collection Data**

In collection data writer use 3 technique collection data :

a. Observation

According to W. Gulo, observation is method collection data Where researcher take notes information as which they watch during research.

b. Interview

Method interview Which writer use done in a way formal so that makes it easier for writers to conduct interviews with a question and answer pattern conceptual And structured.

c. Analysis document

According to Lexy J Moleong use document as source data utilized For test, interpret, even For predict.

**5. Method Analysis Data**

Analysis data Which used covering collection data, reduction data, presentation results analysis in form narrative and taking conclusion.

**RESULTS AND DISCUSSION**

**1. Description violation So Cross in Police Station Semarang**

After carry out study And get data with method studies document Intel Semarang Police base and data obtained from the ur min traffic unit of the Polrestabas Semarang, researcher get data regarding the situation Then cross in region law Police Station Semarang with details as following:

Table 1 Data Violation

NO	YEAR	AMOUNT VEHICLE WHICH DONE	
		R2	R4
1	2018	49,406	30,683
2	2019	90,590	90,590
3	2020	63,775	63,775
4	2021	6,947	2.381

Table 2 Data Accident

NO	YEAR	QUANTITY INCIDENT	VICTIM		
			MD	LB	LR
1	2018	1008	189	5	1061
2	2019	1365	192	2	1423
3	2020	939	152	0	927
4	2021	906	157	0	931

Enforcement violation Then cross Which done in City Semarang is with ETLE. ETLE abbreviation for *Electronic Traffic Law Enforcement* is a technology system Which used as a means of law enforcement using cameras as electronic devices that can detects various types of traffic violations and provides vehicle data automatically based on *Automatic Number Plate Recognition (ANPR)*. In region law Police Station Semarang, ETLE has been used as a traffic violation enforcement system and has been tested since the year 2017 And implemented since 3 December 2018.

Camera ETLE This Alone has can detect a number of violation Then cross among them :

1. Beyond limit speed
2. Breaking Through light red
3. Violation wheel two
4. Violate sign road
5. Parking in area prohibition parking
6. Behavior driving
7. Tax vehicle
8. Against current
9. Spin direction

Apart from ETLE, there was also the KOPEK system (Portable Camera for Enforcement of Violations Motor Vehicles). This program was launched in March 2021. KOPEK is a program Where officer use camera in his helmet use capture various type violation Then cross. However program KOPEK Already No walk because of constrained Which in its implementation officer No succeed catch violation Which There is in field.

The KOPEK program was later renamed Mobile Sigap. Mobile Sigap is a system law enforcement in the field of traffic based on Information Technology using electronic devices in the form of portable ETLE cameras that are placed at vulnerable points violation However No there is camera ETLE stationary.

Method Work Mobile Alert :

1. Offenders will captured by officer Mobile Alert
2. Data will inputted in *Back Office* Mobile Alert
3. The list of motor vehicles is verified by officers who will then print the barcode and letter. confirmation.
4. Letter confirmation Then will sent courier to address offender
5. Confirmation must done offender maximum 7 day Work since letter sent
6. Officer Then make blank traffic ticket And offender must to pay traffic ticket through BRIVA
7. If offender No do confirmation so vehicle registration will blocked.

On its implementation Mobile Alert Not yet operate because of follow policy The police chief prohibits all forms of manual ticketing and only allows electronic ticketing. with ETLE system.

## 2. Factor – Factor Which Influence

### 2.1 Factor Internal

#### 2.1.1 Man (Human)

In implementing the ETLE program, human resources have a great influence on the process. enforcement of violations with the ETLE program. The limitations of officers in controlling sources Information in the form of the WhatsApp application is an obstacle for people who become violators when complain problems experienced.

#### 2.1.2 Money (Money)

Money or budget is means important in life organize Because useful for planning a program because without a budget, a program cannot be implemented will Can implemented. Based on interview Which has implemented, Directorate So Cross prepare budget For operational daily program National ETLE as big as Rp 540,000,000

#### 2.1.3 Materials ( Materials )

According to AIPDA Rio Sasongko, Camera Which used as media ETLE during implementation No experience constraint And means infrastructure Which other Already Enough However If experience disturbance, flat - flat for officer use laptop personal.

#### 2.1.4 Method ( Method )

In reach out objective a organization, need existence method or mechanism Which effective in do a program. Working mechanism ETLE system is :

Figure 1 MECHANISM ETLE



In its implementation, there are several obstacles faced in relation to the working mechanism. ETLE between other :

1. On process verification

In process This There is a number of vehicle Which No verified do violation, because of vehicle the is vehicle with number vehicle Which originate from outside Java Middle, so that although in a way system vehicle identified However For delivery letter to address objective there are obstacles.

Besides vehicle out of town, transport general in the form of public transportation Which often do the same violation and never make confirmation so that the violation from public transportation become stacked And for driver public transportation reasonable that vehicle No owned by they.

2. On process confirmation

In this process there are obstacles due to the limited number of WhatsApp operator personnel. For accept confirmation so that for offender must required to office Traffic Police Semarang Police Headquarters is only for confirmation while payment of fines through BRIVA Which is payment system in a way on line.

2.1.5 *Machine ( Machine )*

After conducting research, there were several obstacles that would reduce effectiveness. ETLE between other :

1. The number of ETLE cameras is still limited and is only found on main roads. Section road Which No is road main become area area Which No detected And Also can trigger violation Then cross
2. The computers used are still minimal, as proven when researchers conducted the research. officer use laptop personal as means because of availability computer Which No adequate.
3. Network WiFi Which No always stable make the occurrence failure in process verification so that system No can work with Good.

**2.2 Factor External**

2.2.1 *Market ( Public )*

Public City Semarang support existence system traffic ticket electronic in the form of ETLE This However, the problem and complaint for the public is the confirmation system. violation which requires violators For to the office Traffic Police Police Station Semarang.

Matter This expressed by Wrong a offender Which found researcher in Traffic Police Police Station Semarang Gus Triono. Gus Triono convey that policy Chief of Police For use ETLE in action violation So Cross is matter Good And worthy maintained, However need more prepared in a way maximum all the program, including process payment of fines, which should be able to be confirmed via the Whatsapp application (in a online) without having to go to the Traffic Police office because many people live far away from office Traffic Police whereas For payment fine through BRIVA (in a way) on line)

Overall, the public supports ETLE ticketing because it keeps away... action extortion.

2.2.2 *Situation*

1. Amount Violation And Number of Accidents So Cross

The condition of society can be seen from the number of violations committed which are presented in table 2. So that can concluded that number violation in City Semarang Which experience decline drastic, However For accident rate Then cross Still is quite fluctuating.

2. Pandemic Covid-19

Pandemic covid-19 force all over public change style life they with prioritize health protocols. According to the National Kontan website, the highest record of daily cases Covid-19 is as many as 56,757 cases recorded on July 15, 2021. With the number of cases The high level of Covid-19 has forced people to carry out activities virtually or via online.

This is the situation that demands the Kapolrestabes Semarang Senior Commissioner of Police Irwan Anwar, S.I.K., MSi for make decisions to eliminate fines conventional and KOPEK or known as with the new name Mobile Sigap and decided to take action against violations only through ETLE which located only in a number of point.

### **3. Analysis Effectiveness Implementation Enforcement Violation So Cross**

Lack of proper planning in planning the Action for Violations with This ETLE is proven by the absence of a fixed schedule in organizing ETLE operational pickets. Schedule The purpose of the picket is to divide tasks and time so that those who operate the ETLE can... can change -change each the day so that No There is accumulation member on moment O'clock operational And task can shared in a way flat as well as time And personnel Which assigned even become clear.

According to draft a effort, effort is business And endeavor For reach a Meaning, solve problem, And look for solution For reach out a Meaning, solve problem And looking for a solution to reach out a objective.

The results of the interview with the Head of Gakkum Unit, AKP Adji Setiawan SH, MH stated that in matter source Power so far This No There is constraint However Not yet Enough adequate, like limited amount personnel Which handle confirmation violation as well as means infrastructure Which Still limited, matter This proven with existence constraint infrastructure computer Which only amount to 2 unit And signal Internet Which No always adequate, so that for officer forced use device personal. Effort improvement source Power man done Head of Police Then with do rejuvenation member as well as addition amount personnel member And give training to member new so that can operate technology ETLE with Good so that capable give service best to public.

Directorate So Cross has do Work The same together Ministry of Communication and Information, PLN, Bank For payment fine traffic ticket, Vendor from application, Service Transportation, Prosecutor's Office And Court. The aim of this collaboration is to improve the performance of ETLE, which is currently the method main action Traffic violations. So it is expected that there will be no disruptions or obstacles can minimized with various help from various relevant agencies.

Apart from that, the transportation agency also has the authority to regulate the duration of traffic signs. cross each light red And own more Lots camera And room like room NTMC ( *National Traffic Management Center* ) with amount far away more Lots.

With existence cooperation This expected if later There is obstacle in process implementation ETLE, Traffic Police can Work The same with agency related For finish problem the in a way fast and appropriate.

### **CONCLUSION**

Implementation action violation Then cross with system ETLE in region law Police Station Semarang Not yet fully effective Because Still lack of means infrastructure supporters and limited number of ETLE supporting cameras and officers who have participated training ETLE operational program

### **REFERENCES**

- Hillary, Cornelia. *Task End For Bachelor Applied Knowledge Police*. ( Semarang, Police Academy Press, 2022 ) Lexy, J Moleong. *Methodology Study Qualitative*. (Bandung, PT Rosdakarya Youth, 2018)
- W. Gulo. *Methodology Research*. (Jakarta, Grasindo, 2002)
- Republic Indonesia, *Invite – Invite Number 22 Year 2009 about So Cross And Transport Road*. ( Jakarta : Headquarters Police, 2009 )
- Republic Indonesia, *Regulation Chief of Police Number 5 Year 2012 about Registration And Identification Motor vehicle* ( Jakarta : National Police Headquarters, 2012)
- Republic Indonesia, *Regulation Government Number 80 Year 2012 about Enforcement Violation So Cross* ( Jakarta : National Police Headquarters, 2012 )