



## IMPLEMENTATION OF TRAFFIC SIGNS AL MUHAJIRIN KINDERGARTEN, BATU MERAH

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**Abstract.** Traffic signs are an important element in the road transportation system that functions to regulate, direct, warn, and provide information to road users. In Indonesia, the regulation of traffic signs is regulated in Law Number 22 of 2009 concerning Road Traffic and Transportation and Regulation of the Minister of Transportation Number 13 of 2014. This article discusses the functions and types of traffic signs, including warning signs, prohibitions, commands, and instructions, as well as the challenges of implementing them in the field. The problems faced include low community compliance, poorly maintained condition of signs, weak consistency of law enforcement, and lack of education. The results of the discussion show that the success of the implementation of traffic signs depends on a combination of clear regulations, strict law enforcement, good physical condition of signs, and public awareness to comply with them. Thus, traffic signs not only serve as a symbol on the road, but also a reflection of the nation's culture of discipline and safety.

**Keyword:** traffic signs, road safety, regulations, compliance, discipline.

### INTRODUCTION

Child safety in the school environment is an important public issue because pre- school and elementary school (SD) children have higher vulnerability when doing activities on the street.

Children's physical, cognitive, and spatial development is not fully mature, so their reaction speed, ability to judge vehicle distances, and alertness levels differ from adults. This condition is exacerbated when the road environment around the school does not meet pedestrian safety standards: the absence of clear crossing markings, lack of school zone warning signs, obstructed sidewalks, and adult behavior (e.g. parking carelessly or picking up children in the middle of the road) that increase the risk of accidents.

Densely populated cities such as Batam experience high traffic and mobility intensity due to population growth and economic activity. In many urban areas, the function of the road that was originally for vehicular traffic is mixed with pedestrian activities, especially in school areas. For AlMuhajirin Kindergarten, whose gate/access location is adjacent to the road section passed by vehicles, problems such as vehicle speed during peak hours, lack of warning signs, and poorly arranged layout of

pick-up and drop-off areas increase the potential danger for children. The physical condition of faded signs, markings that are not visible at night/rain, and parking layouts that cover the driver's



view of pedestrians also magnify the risk.

In terms of policy, the concept of the School Safe Zone (ZoSS) and the intervention of the three pillars of engineering, enforcement, and education are recommended approaches to reduce the risk of accidents in school areas. Community-based interventions and citizen participation such as the KKN program are relevant because they are able to conduct initial data collection, socialize safe behavior, install temporary signs, and facilitate communication between schools, parents, and local governments. Against this background, KKN activities aim to carry out mapping, educational interventions, and technical recommendations for Al-Muhajirin Kindergarten to improve protection for pedestrian children and other road users in the vicinity.

## **METHODOLOGY**

The form of activity carried out was socialization to children at Al Muhajirin Batu Merah Kindergarten which is located in Batu Ampar with the theme "IMPLEMENTATION OF TRAFFIC SIGNS" as one of the efforts given by the service implementation team as a reminder to children at Al Muhajirin Kindergarten to get to know traffic signs better. The stage of socialization implementation at Al Muhajirin Batu Merah Kindergarten is to communicate well with the principal for the purpose of implementing socialization, with the school or principal.

The purpose of the implementation of socialization will be carried out. Furthermore, after communicating, the school approved the implementation of socialization and asked the team to deliver material related to "IMPLEMENTATION OF TRAFFIC SIGNS". on Saturday, September 12, 2025 at 08.00 to 10.00 WIB to all children of Al Muhajirin Kindergarten.



Figure 1. Impelementation of community service



## **RESULT AND DISSCUSION**

The community service program activity which was carried out on September 12, 2025 in RW 01 Batu Merah Village, resulted in understanding for the children of Al- Muhajirin Kindergarten. Adding insight in the Implementation of Traffic Signs (PRLI). The team introduced the types of traffic signs to the children of Al-Muhajirin Kindergarten that it is important to know the traffic signs for personal safety and road order.

Based on observations and dialogues with the school and parents, several main issues were found: First, Lack of warning signs or non-standard signs at school access points-the crossings (zebra cross) that are faded/absent so that the child crossing is less visible. Second, the pick-up area is not organized so that the vehicle is parked on the sidewalk or too close to the school gate-the speed of the vehicle at entry/exit hours is still relatively high. Last, the level of understanding of parents regarding the safe procedure for picking up children is diverse, some are aware but the practice is not consistent. KKN interventions in the form of socialization, installation of posters/stickers, and installation of temporary signs provide an initial increase in awareness but require institutional follow-up.



## **CONCLUSION AND RECOMMENDATION**

1. The overall condition of the signs and markings in the Al-Muhajirin Kindergarten area has not fully met the ZoSS standards (adjust if the results are different).
2. Socialization increases the awareness of teachers/guardians of students on the importance



of signs and safe behavior.

3. Follow-up by the relevant agencies is required for the installation of permanent signs and traffic engineering arrangements around the school.

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