

## ABSTRAK

Keselamatan lalu lintas di kawasan sekolah merupakan aspek penting dalam mendukung keamanan dan kenyamanan aktivitas pelajar. SMPN 03 Kota Pariaman terletak di Jalan Soekarno–Hatta yang merupakan jalan nasional dengan fungsi arteri primer serta memiliki volume lalu lintas yang cukup tinggi sehingga berpotensi menimbulkan risiko kecelakaan bagi pelajar. Penelitian ini bertujuan untuk menganalisis kondisi lalu lintas eksisting, mengidentifikasi kebutuhan fasilitas keselamatan jalan, serta merencanakan penerapan Zona Selamat Sekolah (ZoSS) di kawasan SMPN 03 Kota Pariaman. Metode penelitian yang digunakan adalah metode deskriptif kuantitatif dengan pengumpulan data melalui survei inventarisasi jalan, survei volume lalu lintas, survei kecepatan sesaat (spot speed), serta survei perilaku penyeberang dan pengantar siswa. Data yang diperoleh dianalisis berdasarkan Pedoman Kapasitas Jalan Indonesia (PKJI) serta pedoman teknis penerapan ZoSS dari Direktorat Jenderal Perhubungan Darat. Hasil penelitian menunjukkan bahwa kondisi lalu lintas pada ruas Jalan Soekarno–Hatta memiliki volume dan kecepatan kendaraan yang relatif tinggi sehingga berpotensi membahayakan keselamatan pelajar. Oleh karena itu, diperlukan penerapan Zona Selamat Sekolah yang dilengkapi dengan fasilitas perlengkapan jalan seperti rambu lalu lintas, marka jalan, pita penggaduh, zebra cross, serta fasilitas pendukung lainnya. Perencanaan ZoSS diharapkan dapat meningkatkan tingkat keselamatan dan kenyamanan pelajar serta meminimalkan risiko kecelakaan lalu lintas di kawasan sekolah.

*Kata kunci: Zona Selamat Sekolah, Keselamatan Lalu Lintas, Fasilitas Perlengkapan Jalan.*

## ABSTRACT

Traffic safety in school areas is an important aspect in supporting the safety and comfort of student activities. SMPN 03 Kota Pariaman is located on Soekarno–Hatta Road, which is classified as a national road with a primary arterial function and has a relatively high traffic volume, potentially increasing the risk of traffic accidents for students. This study aims to analyze the existing traffic conditions, identify the need for road safety facilities, and plan the implementation of a School Safety Zone (ZoSS) in the area of SMPN 03 Kota Pariaman. The research method used is a quantitative descriptive method, with data collected through road inventory surveys, traffic volume surveys, spot speed surveys, and surveys of pedestrian and student escort behavior. The collected data were analyzed based on the Indonesian Highway Capacity Guidelines (PKJI) and the technical guidelines for the implementation of School Safety Zones issued by the Directorate General of Land Transportation. The results indicate that traffic conditions on Soekarno–Hatta Road show relatively high vehicle volume and speed, which may endanger student safety. Therefore, the implementation of a School Safety Zone equipped with road safety facilities such as traffic signs, road markings, rumble strips, zebra crossings, and other supporting facilities is required. The proposed ZoSS planning is expected to improve the safety and comfort of students and reduce the risk of traffic accidents in the school area.

*Keywords: School Safety Zone, Traffic Safety, Road Safety Facilities.*