

PRIMJENA VSP METODOLOGIJE ZA PROCJENU EMISIJE ŠTETNIH GASOVA OD SAOBRAĆAJA	
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Odsjek/katedra	Saobraćajnice
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Sažetak:	Cilj istraživanja je procjena emisije štetnih gasova od saobraćaja na osnovu video snimaka višetračnih kružnih raskrsnica. Raskrsnice se nalaze na tri lokacije u Sarajevu, a snimci su dobijeni snimanjem dronom. U uvodnom dijelu rada predstavljeni su glavni polutanti zagađenja i objašnjen je utjecaj saobraćaja kao izvora zagađenja. Prije same analize predstavljeni su mikroskopski i makroskopski modeli pomoću kojih se određuju emisije, ali i sama teoretska osnova VSP metodologije. Potrebni ulazni podaci dobijeni su pomoću softvera DataFromSky. U svrhu analize podaci su eksportovani iz softvera u MS Excel. Osim procjene emisije štetnih gasova, u radu su također prikazani dijagrami učešća vozila u određenom VSP mode-u.
Ključne riječi:	emisije, kružna raskrsnica, profil brzine, trajektorija
APPLICATION OF THE VSP METHODOLOGY FOR THE ASSESSMENT OF HARMFUL GAS EMISSIONS FROM TRAFFIC	
Summary:	The aim of the research is to estimate traffic-related emissions of harmful gases based on video footage of multi-lane roundabouts. The roundabouts are located at three locations in Sarajevo, and the recordings were obtained through drone filming. In the introduction of the research, the main pollutants of pollution are presented, and the impact of traffic as a source of pollution is explained. Before the analysis, microscopic and macroscopic models were presented, which are used to determine emissions, as well as the theoretical basis of the VSP methodology. The necessary input data were obtained using the DataFromSky software. For the purpose of analysis, the data was exported from the software to MS Excel. In addition to assessing harmful gas emissions, the study also presents diagrams illustrating the vehicle distribution in specific VSP modes.
Keywords:	emissions, roundabout, speed profile, trajectory