Evaluation of Changes in Carbon Emissions from Transport Activities in the Kamal-Bangkalan because operating by Suramadu Bridge

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ABSTRACT
Bangkalan is one of the Madura district so that development and growth in the transport sector in Bangkalan be increased as well. Transportation is one of the major producers of carbon emissions that this transport activity causes a decrease in air quality. This study aimed to calculate the approximate amount of carbon emissions from transportation activities in the Kamal-Bangkalan. The amount of CO2 emissions can be calculated using the method of counting traffic. The selection of sampling locations and hours are based stem-day summit. The amount of carbon emissions calculated using emission factors to each type of vehicle. Carbon emissions then mapped using Surfer 8 program.

In the study area, showed the amount of carbon emissions resulting from transportation activities after the operation Suramadu Bridge in Kamal Kamal-Bangkalan on the road on a weekday is 16.428.31 gram/hour.km and at the day of the week is 16.419.72 gram/hour.km And the amount of carbon emissions resulting from transportation activities before the operation Suramadu Bridge in Kamal Kamal-Bangkalan on the road on a weekday is 31.700.44 gram/hour.km and at the weekend is 26.703.87 gram/hour.km.

Keyword : Carbon Emission, Suramadu Bridge, Transportation