

Kinerja daur ulang campuran dingin dengan aspal busa pada lalu lintas berat

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Abstrak

Cold recycling is one of technology alternative which can be preferred in selecting the strategy alternative for road rehabilitation project. Learning about the development technology, we also learn about the weaknesses of it. The pavement assessment condition, which sustain heavy traffic load in the road trial, has been identified. In order to evaluate the performance of recycling technology, laboratory testing for material and mixture as well as field observation have been conducted. The evaluations consist of material properties, mixture construction and pavement performance since the the opening traffic until the age of construction in approximately 2 years. The result of laboratory test shows that the mixture strength criteria meet the specification, whereas the field assessment based on functional condition and from structural pavement indicates that pavement performance decreases, this shown by occurring rutting in the some parts of the wheel track. Based from this result, it is predicted that there is a correlation between material, mixture and construction methods and pavement service life. The construction method should be developed in the future to minimize early deterioration. This paper describes about the evaluation result for recycling technology with binder material of a foam bitumen which have been used in road link with heavy traffic load Jatibarang- Palimanan, Pantura, West Java.