

INTISARI

ANALISIS SAFETY METHOD ERECTION SPAN BY SPAN JALAN LAYANG NON TOL CILEDUG –BLOK M PAKET SESKOAL

ANDREAS AGUNG SETYAJI

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Jalan layang non tol paket SESKOAL dibangun untuk akses sebuah angkutan umum berbasis *Bus Rapid Transit* (BRT) atau sering disebut Trans Jakarta. Proyek pembangunan Jalan layang non tol paket SESKOAL menghubungkan Ciledug sampai dengan Blok M. pembangunan jalan layang non tol dibangun menggunakan *segmental precast* dengan metode *span by span* menggunakan peralatan *Launching Gantry*.

Metode *span by span* adalah metode pelaksanaan konstruksi jembatan *box girder* pracetak, dimana satu bentang jembatan dikerjakan sampai selesai, kemudian berlanjut ke bentang selanjutnya, proses tersebut berulang sampai kemudian seluruh bentang jembatang tersambung.

Analisis kesehatan dan keselamatan kerja (K3) diperlukan dalam pengerjaan *erection span by span* terkait adanya potensi terjadinya kecelakaan. Analisis keselamatan kerja dilakukan pada setiap tahap pekerjaan secara mendetail dan deskriptif menggunakan metode *Job Safety Analysis* (JSA). Metode *Job Safety Analysis* (JSA) merupakan analisis yang dilakukan dalam mengidentifikasi bahaya melalui langkah-langkah kerja yang ada.

Kata Kunci : *span by span*, *erection span by span*, kesehatan dan keselamatan kerja, potensi bahaya kecelakaan, *job safety analysis*

ABSTRACT

***SAFETY METHOD ANALYSIS ERECTION SPAN BY SPAN
ELEVATED ROAD
CILEDUG – BLOK M PACKAGE***

ANDREAS AGUNG SETYAJI

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SESKOAL packets elevated road built to access a public transport-based Bus Rapid Transit (BRT) or often called Trans Jakarta. The construction project of elevated road connecting Ciledug SESKOAL packages up to Blok M. Construction of an elevated road built using precast segmental with the span by span method using equipment Launching Gantry.

Span by span method is a method of construction of precast box girder bridge, where the bridge spans are done to completion, and then continue to the next span, the process is repeated until the entire span of the bridge then connected.

Analysis of health and salvation (K3) is required in the execution of erection span by span, related to potential accidents. Job safety analysis done at each stage of the work detailed and descriptive using Job Safety Analysis (JSA). Job Safety Analysis Method (JSA) is an analysis to identify hazards through all the steps of the existing work.

Keywords: span by span, span by span erection, occupational health and safety, the potential of hazard, job safety analysis