Analisa bekisting fabric formwork untuk mendapatkan efisiensi pada pekerjaan struktur bangunan gedung = Analysis fabric formwork to gain efficiency in structural work building

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Abstrak

[ABSTRAK
Fabric formwork merupakan metode pembentukan konstruksi beton menggunakan membran sebagai cetakannya, terbuat dari serat sintesis (nilon, poliester, polypropylene). Tujuan dari penelitian ini adalah mengidentifikasi faktor-faktor dan menghitung besaran efisiensi serta resiko yang mempengaruhi efisiensi dari pemakaian fabric formwork. Metode penelitian yang dilakukan adalah eksperimen dan analisa simulasi pemodelan penggunaan fabric formwork dibandingkan dengan bekisting konvensional. Dari penelitian ini, penggunaan fabric formwork lebih efisien dibandingkan dengan bekisting konvensional, faktor-faktor yang mempengaruhi efisiensi adalah penggunaan kayu yang sedikit, n-kali pakai dan metode kerja yang tepat. Resiko yang mempengaruhi efisiensi adalah jumlah n-kali pakai yang tidak tercapai, pekerja yang kurang memahami metode, perawatan yang salah.
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ABSTRACT
Fabric formwork is constructed using textile sheets made of synthetic fibers (tipicallly nylon, polyesters, polypropylene). The objectives of this study are to identify the factors, calculate the magnitude, and risk that affect the efficiency of the use of fabric formwork. The research method is simulation modeling experiments and analysis of the use of fabric formwork compared to conventional formwork. From this research, the use of fabric formwork more efficient than conventional formwork, the factors that affect the efficiency is the use of a little wood, n-times the wear and appropriate working methods. Risks that affect the efficiency is the number of n-times the wear that is not achieved, workers who lack an understanding of the method, the wrong treatment;Fabric formwork is constructed using textile sheets made of synthetic fibers (tipicallly nylon, polyesters, polypropylene). The objectives of this study are to identify the factors, calculate the magnitude, and risk that affect the efficiency of the use of fabric formwork. The research method is simulation modeling experiments and analysis of the use of fabric formwork compared to conventional formwork. From this research, the use of fabric formwork more efficient than conventional formwork, the factors that affect the efficiency is the use of a little wood, n-times the wear and appropriate working methods. Risks that affect the efficiency is the number of n-times the wear that is not achieved, workers who lack an understanding of the method, the wrong treatment, Fabric formwork is constructed using textile sheets made of synthetic fibers (tipicallly nylon, polyesters, polypropylene). The objectives of this study are to identify the factors, calculate the magnitude, and risk that affect the efficiency of the use of fabric formwork. The research method is simulation modeling experiments and analysis of the use of fabric formwork compared to conventional formwork. From this research, the use of fabric formwork more efficient than conventional formwork, the factors that affect the efficiency is the use of a little wood, n-times the wear and appropriate working methods. Risks that affect the efficiency is the number of n-times the wear that is not achieved, workers who lack an understanding of the method, the wrong treatment]