

عنوان مقاله:

Optimization of production process using response surface methodology

محل انتشار:

کنفرانس بین المللی مدیریت چالشها و راهکارها (سال: 1392)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

The purpose of this study is the optimization process using response surface methodology. The process can be imagining a combination of devices, methods and people that converted the input materials to output. The output is one or more of the qualitative characteristics or observable responses. In this study, using response surface methodology to optimize product quality characteristics and variables that impact on them. Therefore, identified three parameters GSM, BURST and CMT as the most important parameters from the various parameters affecting the production process by using experts and three independent variables: size press Starch consumption, concentration of Head box dough and hydraulic pressure, were selected as the variable affecting quality parameters. Then the product data from paper factory generated in the period 2011 until 2012 , a fraction of the total production level is 240, was used and harvest data were analysis by the help of SAS statistical software. Finally, using Surfer software to draw response surface graphics and the optimal production point was obtained

کلمات کلیدی:

Process Optimization, Response surface methodology, SAS Software, Surfer Software, Paper Industry

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