

## عنوان مقاله:

Assessment, analysis and risk management in the production process of products with a fuzzy control approach

## محل انتشار:

فصلنامه بین المللی مهندسی صنایع و تحقیقات تولید، دوره 32، شماره 3 (سال: 1400)

تعداد صفحات اصل مقاله: 13

## نویسنده:

Mahdi Rahimdel Meybodi - Payam noor University, Tehran, Iran

## خلاصه مقاله:

Today, one of the most important concerns of production units is the evaluation, analysis and risk management in the production process. In this research, based on the fuzzy control approach, a scientific and logical method for evaluating, analyzing and managing risk in the production process is presented. Based on the proposed method of this research, after identifying the risks in the production process of products, according to the three criteria of failure severity, probability of failure and detectability, as well as using the best - worst method, evaluation and determining the importance of these risks, is done. Then, with the fuzzy rules, fuzzy inference system is designed. The final result is the classification and prioritization of identified risks. Finally, the proposed research model for an applied sample is used and its final results are analyzed.

## کلمات کلیدی:

.Risk, Database of Rules, Best-Worst Method, Improvement Priority, Fuzzy Inference System

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1305173>

