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[ABS-50] Abstract Submitted to SICBAS 2018

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We have received the submission of your abstract:

Abstract ID:
ABS-53
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Title:
Implementation of Branch and Cut Method on N-Sheet Model in Solving Two Dimensional Cutting Stock Problem

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Content:
The problem of cutting raw materials to fulfill the size of demand using certain cutting pattern is called Cutting Stock Problem (CSP). CSP aims to find the optimal cutting pattern with minimum trim loss. In this research, all possible cutting patterns was generated by pattern generation algorithm where the materials were cut based on the length on the first stage and the width on the rest stage. All patterns were modelled to N-Sheet model and solved using Branch and Cut method. Based on the results, it showed that the N-Sheet model ensured as minimum as possible trim loss in fulfill the demands.

Keywords:
Cutting Stock Problem, Pattern Generation, N-Sheet, Branch and Cut

Topic:
Mathematics and Applied Mathematics

Presenter:
Putra BJ Bangun

[Kutipan teks disembunyikan]