

COVER LETTER

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Dear,

I/We wish to submit an original research article entitled "**How to boost the flow shop manufacturing agility using hybrid genetic tabu search in scheduling**" for consideration by SINERGI.

I/We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, I/we report on / show that:

Topic	:	Manufacturing agility
Brief Background	:	Agility is highly needed for manufacturing which has rapidly changing consumer needs and demands, agility is concerned how to deliver product to customer as early as possible. In other side, scheduling is the main key in production which can increase manufacturing agility, because it handle the production time of when to start and when to finish.
Research Problem	:	How to improve the manufacturing agility from production process through optimized scheduling?
Overview of Method	:	This method combine two algorithm (genetic algorithm and tabu search) as hybrid to solve the scheduling problem, how to minimize the makespan by properly configure the parameter settings for the algorithm also genetic operator usage which is specialized for the manufacturing process especially for the flow shop problem.
Significant finding	:	This study hybridize genetic algorithm and tabu search to address flow shop problem. The proposed hybrid algorithm (GA-TS) beats another three algorithm which also in hybrid mode. Since genetic algorithm is superior for metaheuristics class, the proposed algorithm can solve the manufacturing scheduling effectively.

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,
Moch Saiful Umam



AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled “***How to boost the flow shop manufacturing agility using hybrid genetic tabu search in scheduling***” for consideration by SINERGI.

All persons who meet authorship criteria are listed as authors, and all authors certify that they have participated sufficiently in work to take public responsibility for the content, including participation in the concept, design, analysis, writing, or revision of the manuscript.

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POTENTIAL REVIEWERS

Please submit 3 (three) potential reviewers (*that have not listed in SINERGI*) to speed up the review process that competent for the topic and has a good reputation in that area.

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