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COVER LETTER

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[*March 19, 2021*]

Dear,
I/We wish to submit an original research article entitled "*Reducing The Punch Force in The Circular Punching Process by Preheating Under the Recrystallization Temperature*" 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.

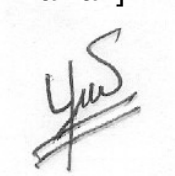
In this paper, I/we report on / show that:

Topic	:	Punching Process
Brief Background	:	Punch force is the main factor in the success of making holes using the punching process. The punching process is not able to make a hole when the punch force in the machine is smaller than the punch force in the material. Preheating can be used as a solution to reduce the punch force in the material.
Research Problem	:	Several methods show that the heating process requires a large electric current (>5A). Therefore, we need a heating method with a smaller electric current (less than 1A).
Overview of Method	:	The punching process is carried out under conditions without heating (30 °C) and preheating under the recrystallization temperature (100 and 150 °C). The heating of the material is used two tubular type heating elements with a capacity of 350 ° C and an electric current of about 0.9 A
Significant finding	:	Preheating under the recrystallization temperature is effective to reduce punch force. Where it can reduce the punching force by 11%.

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,
[*Yani Kurniawan*]



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AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled "*Reducing The Punch Force in The Circular Punching Process by Preheating Under the Recrystallization Temperature*" 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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