

COVER LETTER

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Dear Editors-in-Chief,

We wish to submit an original research article entitled “**Improvement of Ankle Foot Orthotics Fabrication Using 3D Printing Method**” for consideration by SINERGI.

We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere. We promise not to withdraw this article after it has been processed by the Editorial Team. If there is a withdrawal, we are willing to pay a penalty of USD 150 (IDR 2000K) to the SINERGI Editorial Team.

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

Field	:	Manufacturing Process
Topic	:	Additive Manufacturing
Brief Background	:	Fabrication of ankle foot orthotic (AFO) using innovative combinations of 3D scanning and 3D printing
Research Problem	:	The conventional fabrication of ankle foot orthotic takes longer time and steps to produce.
Overview of Method	:	The method begins with 3D scanning the lower-limb's patient using photogrammetry method. The design is generated and adjusted, and the orthotic prototype is produced using 3D printing with polypropylene (PP) material. The prototype produced using 3D printing was tested by walking based on normal gait analysis and the angle of foot and calf measurement.
Significant finding	:	<ul style="list-style-type: none">- The tests based on normal gait analysis and the angle of foot and calf measurement show maximum error of 17.55%.- The proposed methods of fabricating orthotic prototype can successfully reduce the processing time of 41.5% compared to conventional method.

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,
Kushendarsyah Saptaji



AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled “**Improvement of Ankle Foot Orthotics Fabrication Using 3D Printing Method**” 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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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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