

COVER LETTER

Sukarman

Sekolah Tinggi Teknologi Wastukancana
sukarman@stt-wastukancana.ac.id
0812-8545-1402

November 5, 2020

Dear Mr. Prof. Dr. Andi Adriansyah,

We wish to submit an original research article entitled **“OPTIMIZATION OF THE RESISTANCE SPOT WELDING PROCESS PARAMETER FOR DISSIMILAR WELDING OF SECC-AF AND SGCC GALVANIZED STEEL”** 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:

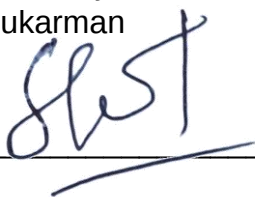
Topic	:	Optimization of dissimilar resistance spot welding of SECC-AF and SGCC galvanized Steel
Brief Background	:	In the next few years, a galvanized steel sheet will be commonly used in the auto industry. Meanwhile, resistance point welding has been widely used in the automobile process. Zinc film on the surface of galvanized steel makes weldability of material decrease because of zinc and steel's different melting points.
Research Problem	:	How to set the optimum RSW parameters to achieve the highest tensile shear strength by using dissimilar galvanized steel?
Overview of Method	:	Taguchi method by 4-variables and mixed-design experimental levels, ANOVA, and S/N ratios analysis.
Significant finding	:	For the optimum tensile shear test, the Taguchi experiment suggests the squeeze time parameter in 22 cycles, weld current in 27 kA, welding time in 0.6 seconds, and hold time in 18 cycles. Welding current and welding time are significant parameters with P-value 0.006 (0.6%) and 0.015 (1.5%), respectively

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,

Sukarman



SINERGI

Universitas Mercu Buana

p-ISSN: 1410-2331; e-ISSN: 2460-1217

<http://publikasi.mercubuana.ac.id/index.php/sinergi>

AUTHORSHIP STATEMENT

I wish to submit an original research article entitled “**OPTIMIZATION OF THE RESISTANCE SPOT WELDING PROCESS PARAMETER FOR DISSIMILAR WELDING OF SECC-AF AND SGCC GALVANIZED STEEL**” 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.

Author 1		
Name	:	Amri Abdulah
Affiliation	:	Sekolah Tinggi Teknologi Wastukancana
Email Address	:	amri@stt-wastukancana.ac.id
Author 2		
Name	:	Apang Djafar Shieddieque
Affiliation	:	Sekolah Tinggi Teknologi Wastukancana
Email Address	:	amri@stt-wastukancana.ac.id
Author 3		
Name	:	Nana Rahdiana
Affiliation	:	Universitas Buana Perjuangan Karawang
Email Address	:	nana.rahdiana@ubpkarawang.ac.id
Author 4		
Name	:	Khoirudin
Affiliation	:	Universitas Buana Perjuangan Karawang
Email Address	:	khoirudin@ubpkarawang.ac.id

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.

Reviewer 1		
Name	:	Assoc. Prof. Anwar Ilmar Ramadhan
Affiliation	:	Universitas Muhammadiyah Jakarta
Email Address	:	anwar.ilmar@ftumj.ac.id
Reviewer 2		
Name	:	Prof. Dr. Yulfian Aminanda
Affiliation	:	Universiti Teknologi Brunei
Email Address	:	yulfian.aminanda@utb.edu.bn
Reviewer 3		
Name	:	Prof. Dr. Djoko Wahyu Karmiadjji
Affiliation	:	Pancasila University
Email Address	:	djokow@univpancasila.ac.id