Digital Repository Universitas Jember ISBN: 978-81-939399-1-8 FM PDF To JPG Converter Pro fm-pdf.com Unregistered version CONFERENCE PROCEEDINGS ABSTRACTS **ICSGT 2018** STATE POLYTECHNIC OF MALANG Malang, 27 August, 2018

Organized by:













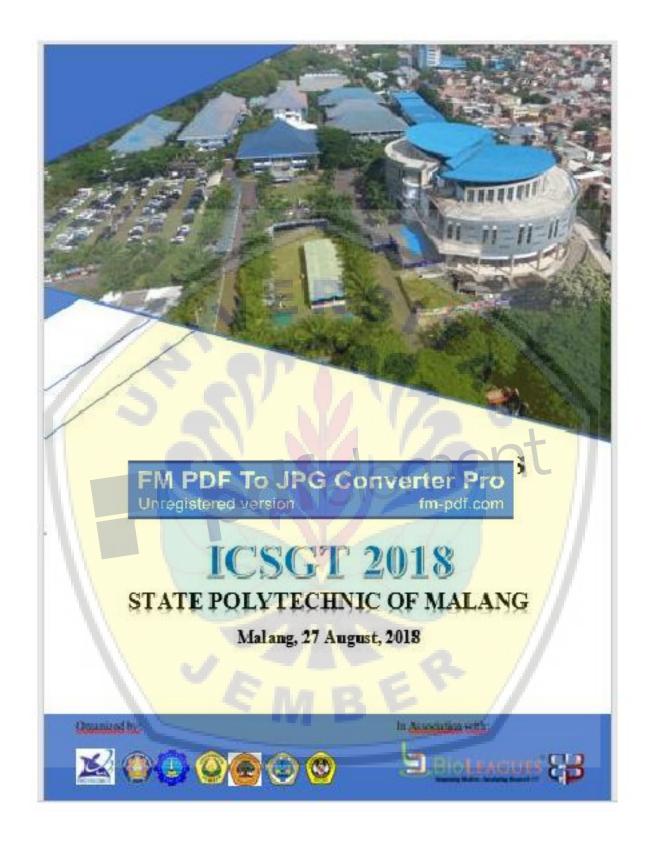


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PREFACE CONFERENCE CHAIR OF ICSGT 2018 STATE POLYTECHNIC OF MALANG

It is a big pleasure to me on behalf of the Organizing Committee of a twoday International Conference of Smart Green Technology (ICSGT) to welcome all the delegates and participants of this conference held in Malang city – the flower city.

As stated in the title, the scope of the cenference covers about developing technologies for the smart living, which are in a fact, requires many diciplines that constitute engineering as a whole and united field.

We are who industry pro Unregistered version industry pro ic fields and ies to under and post graduate students and research scholars and to take an active part and present research papers.

By doing so, they will not only gain greater insight into their discipline, but also contribute to the existing body of knowledge in that domain.

I am certain that the conference will prove to be a healthy point of academic interaction and so the students and faculty members as well will not only give but also benefit and draw inspiration from the talks and presentations from the distinguished guests.

Malang, August 27, 2018

Bambang Sugiyono Agus Purwono

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FOREWORD DIRECTOR OF STATE POLYTECHNIC OF MALANG

It is our great pleasure to welcome all participants, guests, keynote speakers, and presenters at this conference which is organized by the State Polytechnic of Malang.

The International Conference of Smart Green Technology 2018 (ICSGT 2018) provides a setting for discussing recent developments in a wide variety of topics of green technologies.

The conference particularly encouraged the interaction of research students and scholars with the more established academic community to present and will be a m Unregistered version fm-pdf.com in all topics related to the

I would like to express my deep appreciation to keynote speakers for the efforts to present the ideas and methods in a lively and accessible way.

I would like to thank those who have responded to our call to take part and to contribute to this conference. We have a big hope that all of you enjoy, and get more knowledge and fruitful experience through the conference.

Finally, but not least, support and efforts from the conference organizing committee were absolutely essential to this conference. Therefore, I would like to acknowledge my sincere thanks to the conference organizing committee.

Malang, August 27, 2018

Awan Setiawan

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Analysis Stress and Displacement Cement Composites of 3-Axial Force Effect On Turning Process Alumunium 6061

Santoso Mulyadi, Triwahju Hardianto, Yuni Hermawan, Dwi Djumhariyanto, Robertus Sidartawan

> University of Jember Jl. Kalimantan No. 37 Jember

Abstract

This study discusses the amount of force acting on cement composites for turning vibration absorbers. The main force of concern is cutting force (F1), feeding force (F2) and axial force (F3). In the design of cement composites and the amount of force charged must pay attention to the strength of the material. Strengths that must be considered include the dimensions, material, and structure of the workpiece. This study will discuss the analysis of test specimens of tool specin ment method. FM PDF To JPG Converter Pro The finite eler olve technical problems and Unregistered version. fm-pdf.com rain, strength, and vibration analysis. From this study, the largest and smallest stresses on the tool with composite cement are 1.31 x 107 N/m2 and 1.31 x 106 N/m2. While the displacements for the tool test with cement composites are: 0.096 mm.

Keywords: cement composite, stress and displacement

Topic: Engineering

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Appreciated to:

"Analysis Stress and Displacement Cement Composites of 3-Axial Force Effect on Turning Santoso Mulyadi, ST., MT for his/her worthy Oral Presentation titled Process Alumunium 6061"

on 27th - 28th August 2018 at The Santika Premiere Hotel, Malang, Indonesia at International Conference on Smart Green Technology



Drs. Awan Setiawan, MM



















