

**LEARNING SCIENCE THROUGH STEM BASED
INSTRUCTIONAL MATERIAL: ITS EFFECTIVENESS IN
IMPROVING STUDENTS' CONCEPTUAL UNDERSTANDING
AND ITS EFFECT TOWARDS ENGINEERING DESIGN
BEHAVIORS AND TEAMWORK SKILLS**

THESIS

Submitted to fulfil a requirement for getting Master Degree on Science Education



By:

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**SCIENCE EDUCATION STUDY PROGRAM
SCHOOL OF POSTGRADUATE STUDIES
INDONESIA UNIVERSITY OF EDUCATION**

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Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar
Magister Pendidikan (M.Pd.) pada Sekolah Pascasarjana Program Studi
Pendidikan Ilmu Pengetahuan Alam

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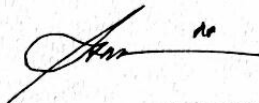
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DECLARATION

I hereby certify that this thesis entitled “Learning Science through STEM Based Instructional Material: Its Effectiveness in Improving Students’ Conceptual Understanding and Its Effect towards Engineering Design Behaviors and Teamwork Skills” is completely my original work and a part of big research entitled “*Pengembangan Bahan Ajar Berbasis STEM pada Sekolah Menengah*” funded by School of Postgraduate Studies in Indonesia University of Education, regarding the procedure of writing a thesis, excerpt where due to references are made in the text, and that it contains no material which has been submitted for the award of any other degree or diploma in any university or institution.

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