



# UNNES PHYSICS International Symposium 2018

in conjunction with  
32<sup>nd</sup> National Seminar on Physics - Physical Society of Indonesia

January 15, 2018

UPIS 2018



**organizer:**

Physics Department  
Faculty of Mathematics  
and Natural Sciences,  
Universitas Negeri Semarang



D7 Building 2nd Floor,  
UNNES Campus of Sekaran,  
Gunungpati, Semarang, Central  
Java, Indonesia, 50229

Prof. Dr. Suriani Abu Bakar  
Nanotechnology Research Center,  
Faculty of Science and Mathematics  
Universiti Pendidikan Sultan Idris  
Malaysia

Dear Prof. Dr. Suriani Abu Bakar

We are pleased to invite you to the 1<sup>st</sup> UNNES Physics International Symposium 2018, scheduled to be held on May 3, 2018 in our campus, Faculty of Mathematics and Natural Sciences, Universitas Negeri Semarang, Semarang, Central Java, Indonesia. The theme of the symposium is *"Physics and Physics Education for Internationalization of Human Resources Quality"*.

In this regard, we would like to request you to be one of our keynote speakers for the said event to share your knowledge to all of the participants.

Your favorable response regarding this request will be highly appreciated.

Thank You.

Respectfully yours,

Dr. Putut Marwoto, M.S.  
*Chair of UPIS Programme*



# Certificate

This certificate is awarded to

**Suriani Abu Bakar**

in recognition of his/her valuable contribution as

**Keynote Speaker**

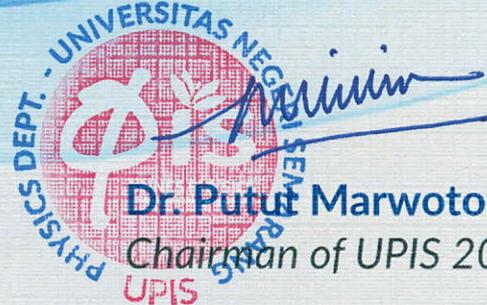
in

**the UNNES Physics International Symposium  
(UPIS 2018)**

May 3, 2018  
Semarang, Indonesia



**Prof. Dr. Zaenuri, S.E., M.Si., Akt.**  
Dean of Faculty of Mathematics  
and Natural Sciences, UNNES



**Dr. Putut Marwoto, M.S.**  
Chairman of UPIS 2018



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Physics Department, Faculty of Mathematics and Natural Sciences,  
Universitas Negeri Semarang





# Certificate

This is to certify that the paper entitled  
**The synthesis of graphene oxide via  
electrochemical exfoliation method using triple-  
tails surfactant for electrode materials  
application**

written by  
**Suriani Abu Bakar**

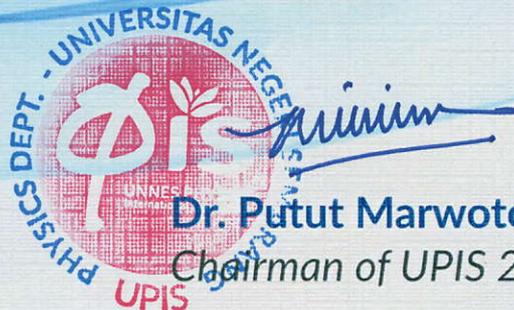
has been presented in

**the UNNES Physics International Symposium  
(UPIS 2018)**

May 3, 2018  
Semarang, Indonesia



**Prof. Dr. Zaenuri, S.E., M.Si., Akt.**  
Dean of Faculty of Mathematics  
and Natural Sciences, UNNES



**Dr. Putut Marwoto, M.S.**  
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UPIS 2018 and The 32<sup>nd</sup> National Seminar on Physics PSI Programme

Time	Event
07.00-08.30	Registration
08.30-09.00	Opening Ceremony
<b>Plenary Session I</b>	
09.00-10.00	<p style="text-align: center;"><b>Prof. Dr. Hadi Nur</b> Centre for Sustainable Nanomaterials, Ibnu Sina Institute for Scientific and Industrial Research, Universiti Teknologi Malaysia <i>“Challenges in structure-activity correlation in titania catalysis and photocatalysis”</i></p> <p style="text-align: center;"><b>Prof. Dr. Duraisamy Sambasivam Sankar</b> School of Applied Sciences and Mathematics, Universiti Teknologi Brunei, Jalan Tungku Link, Gadong BE1410, Brunei Darussalam <i>“Mathematical Models for Physiological Flows in Normal and Abnormal Conditions”</i></p>
	<b>Moderator: Dr. Ellianawati, M.Si.</b>
10.00-10.15	<b>Coffee Break</b>
<b>Plenary Session II</b>	
10.15-11.45	<p style="text-align: center;"><b>Prof. Dr. Suriani Abu Bakar</b> Department of Physics, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris, 35900 Tanjung Malim, Perak, Malaysia <i>“The Synthesis of Graphene Oxide via Electrochemical Exfoliation Method using Triple-Tails Surfactant for Electrode Materials Application”</i></p> <p style="text-align: center;"><b>Dr. Muhammad Danang Birowosuto</b> CINTRA UMI CNRS/NTU/THALES 3288, Research Techno Plaza, 50 Nanyang Drive, Border X Block, Level 6, Singapore 637553 <i>“Emission Control of Single Quantum Emitters Based on Novel Active Materials”</i></p> <p style="text-align: center;"><b>Prof. Dr. Wiyanto, M.Si.</b> Department of Physics, Faculty of Science and Mathematics, Universitas Negeri Semarang, Indonesia <i>“Learning transferable skills: the role of physics education in the era of disruptive innovation”</i></p>
	<b>Moderator: Fianti, M.Sc, Ph.D.</b>
11.45-12.30	<b>Physical Society of Indonesia Meeting</b>
12.30-13.30	<b>Lunch Break</b>