

ITSF SEMINAR ON SCIENCE AND TECHNOLOGY

ITSF ESTABLISHMENT

The Indonesia Toray Science Foundation was established in 1993 through a 3 billion rupiahs endowment by Toray Industries, Inc. The foundation is registered with and recognized by the Indonesian authorities as an organization with the objective of promoting the advancement of science technology in Indonesia.

FOUNDATION OBJECTIVE

The objective of the Foundation is to contribute to the progress of "Science and Technology" in Indonesia. "Science and Technology" will be limited to the fields of natural sciences and engineering including the environment, but not including clinical medicine and mathematics

FOUNDATION ACTIVITIES

In order to achieve the objective, the Foundation will endeavour to undertake the following activities:

1. The awarding of The **ITSF** Science and Technology Award, to recognize outstanding achievements in Science and Technology.
2. The awarding of The **ITSF** Science and Technology Research Grant to provide to young scientist financial assistance for research in science and technology
3. The awarding of The **ITSF** Science Education Award to recognize creative and innovative contributions to effective science teaching in senior high schools.

ITSF SEMINAR

Scientists and Technologists are invited to attend this "ITSF Seminar on Science and Technology" where research results of the ITSF Science and Technology Research Grants will be presented.



ITSF
Indonesia Toray Science Foundation

ITSF SEMINAR ON SCIENCE AND TECHNOLOGY

Jakarta
Wednesday, 11 March 2015

Summitas II, 3rd Floor
Jl. Jendral Sudirman Kav. 61-62
Jakarta 12190, Indonesia
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To:
ITSF Seminar On Science And Technology Committee
INDONESIA TORAY SCIENCE FOUNDATION
Summitas II, Lantai 3
Jl. Jendral Sudirman Kav. 61-62
Jakarta 12190, Indonesia



ITSF SEMINAR ON SCIENCE AND TECHNOLOGY REGISTRATION FORM

The Seminar is free of charge. lunch, snacks, as well as a certificate of attendance will be provided.

To register, please complete the following form:

1. Use ITSF Registration Form
2. Type in **BLOCK LETTERS**
3. Send to ITSF through ITSF's email: **itsf@ina.toray.co.id** not later than **18 February 2015**
4. Only fully completed form will be processed
5. On a first come first served basis
6. Officially seminar Invitation Letter will be sent to your email and should be brought to the seminar.

Name :

Institution's Name :

Institution's Address :

Tel: Fax:

Mobile phone number :

E-mail Address :

Please circle **ONE SESSION ONLY:** **A - B - C**

ITSF CEREMONY INVITATION

We also invite you to attend to **ITSF Ceremony** which will be held on **Thursday, 12 March 2015** at **Hotel Indonesia Kempinski Jakarta, 09.30 AM**. Please tick, if you wish to attend or otherwise:

Yes No

Signed,

(.....)

Full Name

This ITSF Seminar will be held in three concurrent sessions.

SESSION A : Life Sciences and Agricultural Sciences
SESSION B : Physical and Engineering Sciences
SESSION C : Chemistry, Chemical Engineering and Biotechnology

SPEAKERS OF SESSION A:

1. **Dr. Purwatiningsih, S. Si., M. Si** (Jember University)
Title : Cutting Edge Nanoparticles: to increase the efficacy of Indonesian plant extracts from *Acorus calamus* L. as botanical insecticides to control insect pest cabbage (*Crociodolomia pavonana* F.) (Lepidoptera: Pyralidae)
2. **Ani Widiastuti, S.P., M.P., Ph. D** (Gadjah Mada University)
Title : Morphological and Molecular Identification of Mycotoxigenic fungi *Fusarium* spp. From maize kernels in Indonesia
3. **Eva Papilaya, S. Si., M. Si** (University of Indonesia)
Title : Fabrication of Photoelectrochemical Biosensor with Immobilization of Bacterial Luciferase for Detecting Heavy Metals
4. **Dyah Hesti Wardhani, ST., MT., Ph. D** (Diponegoro University)
Title : The Development of Purification Method to Enhance the Quality of Glucomanan Powder of Local Porang Tuber (*Amorphophallus onchophyllus*) by using Isopropanol as Antisolvent Agent
5. **Dr. Yuni Kilawati, S. Pi., M. Si** (Brawijaya University)
Title : Activity of Ribonucleotide Reductase of *Penaeus vannamei* that Infected White Spot Syndrome Virus (WSSV) in East Java
6. **Dr. Rani Maharani** (Padjadjaran University)
Title : Synthesis of Trypsin-modulating Oostatic Factor (TMOF) and Its Analogues by Solid-phase Peptide Synthesis and the Screening of their Insecticidal Properties

SPEAKERS OF SESSION B:

1. **Arenst Andreas, Ph. D** (Paranyangan Catholic University)
Title : Development of High Temperature Oxidation Resistant Fe-Si-Al Alloy
2. **Dr. Toto Sudiro** (Indonesian Institute of Sciences)
Title : Preparation of ZnO/SiO₂ Nanocomposite Particles for Energy-Saving Light Material using Inexpensive Silica Source
3. **Dr. Ratno Nuryadi, M. Eng** (IPPT)
Title : High Sensitivity Gas Sensing Optical Method-based Microcantilever

4. **Dr. Indri Badria Adilina** (Indonesian Institute of Sciences)
Title : Design and Modification of Bentonite Clays as Green Nanostructure Catalysts for the Selective Conversion of glycerol and CO₂ to Value Added Chemicals
5. **Dr. Iskhaq Iskandar, M. Sc** (Sriwijaya University)
Title : Respective Influences of the Indian Ocean Dipole, conventional ENSO and Endo-Modoki Events on the Precipitation Over the Indonesian Region
6. **Dr. Eng. Hendri Widiyandari, M. Si** (Diponegoro University)
Title : Fabrication of Nitrogen Doped TiO₂ Nanostructured Photoanode for High Efficiency Dye Sensitized Solar Cells (DSSC)

SPEAKERS OF SESSION C:

1. **Dr. Khomaini Hasan** (Institute of Technology Bandung)
Title : Toward Structural Study of α -amylase from *Saccharomycopsis fibuligera* R64
2. **Valentina Yurina, S. Si., M. Si** (Brawijaya University)
Title : Effect on *Nigella sativa* seeds Extract on NOX-2 and NOX-4 Level in the Heart and Kidney on Diabetic Rats
3. **Deden Dewantara Eris, S.P** (Indonesian Biotechnology Research Institution for Estate Crops)
Title : The Effect of Supplementary Inhibitor on *Ganoderma boninense*-Lignolytic Enzyme as Alternative Way in Solving *Ganoderma* Infection in Oil Palm Plantation
4. **Elvi Restiawaty, Ph. D** (Institute of Technology Bandung)
Title : In Vitro ATP Regeneration using Thermostable Polyphosphate Kinase Originated from Hydrothermal Vent Bacteria of Kawio Islands - North Sulawesi
5. **Woro Anindito Sri Tunjung, S. Si., M. Sc, Ph. D** (Gadjah Mada University)
Title : Effect of Extract Kaffir Lime (*Citrus hystrix*) Leaves on Apoptosis Induction through Increase of Caspase-3 mRNA and Protein Expressions in Breast Cancer Cell Line
6. **Purwaeni, M. Si., Apt** (Institute of Technology Bandung)
Title : Screening, Cloning, and Expression of Fibrinolytic Agent Genes from Microbial in Indonesian Traditional Fermented Foods with Its Characterization

Time and venue of the ITSF Seminar

Day/Date : Wednesday, 11 March 2015
Time : 08.00 - 17.00
Venue : Gedung Balai Kartini
Jl. Jend. Gatot Subroto Kav. 37
Jakarta 12950
Tel : (021) 521-3653