

# Grant Ceremony & Seminar on Research Findings Assisted by The Asahi Glass Foundation 2020

September 14<sup>th</sup>, 2020, Institut Teknologi Bandung

09.00 – 09.15	<b>Opening Address from Vice Rector for Research and Innovation of ITB</b>
09.15 – 09.30	<b>Briefing Ceremony from Senior Executive Director of Asahi Glass Foundation</b>
	<b>Morning Session, Moderator : Dr.rer.nat. David Prambudi Sahara, ST., MT.</b>
09.30 – 09.45	Photocurrent Enhancement by Localized Surface Plasmon Resonance of Gold and Silver Nanoparticles Functionalized by Organic Molecules in Dye Sensitized Solar Cells by <b>Dr. Eng. Priastuti Wulandari, S.Si., M.Si. (FMIPA)</b>
09.45 – 10.00	Development of Modular 50-200 MWe Gas Cooled Fast Reactors with high energy conversion by <b>Prof. Dr. Zaki Su'ud, M.Eng. (FMIPA)</b>
10.00 – 10.15	Synthesis of Nano Mordenite Zeolite in The Absence of OSDA for Bioplastic Production by <b>Dr.rer.nat. Rino Rakhmata Mukti, S.Si., M.Si. (FMIPA)</b>
10.15 – 10.30	Solvent-free, OSDA-free Synthesis of ZSM-5 Zeolites from Rice Husks: Towards a Sustainable Route by <b>Dr. Grandprix Thomryes Marth Kadja, S.Si., M.Si. (FMIPA)</b>
10.30 – 10.45	Synthesis and Characterization of Immobilized Lipase onto Cellulose Nanocrystals for Biodiesel Production by <b>Dr. Yogi Wibisono Budhi, ST., MT. (FTI)</b>
10.45 – 11.00	Transparent and conductive graphene electrodes derived from waste battery for electrochromic application by <b>Dr. Ir. Hermawan Judawisastra, M.Eng. (FTMD)</b>
11.10 – 11.15	CO <sub>2</sub> Release Related with Tectonic Activities and Its Impact to Groundwater Chemistry, Challenge of Carbon Capture Storage and Atmospheric Environment by <b>Irwan Iskandar, ST., MT., Ph.D. (FTTM)</b>
11.15 – 11.30	Hydro-geotechnical study of liquefaction potential in Bandung Basin - Learning from the Palu earthquake by <b>Dr.rer.nat.Ir. Lilik Eko Widodo, MS (FTTM)</b>
11.30 – 11.45	Environmental Geoscience Investigation on Searching a Newly Unidentified Fault in Eastern Indonesia by <b>Dr. Endra Gunawan, ST., M.Sc. (FTTM)</b>
11.45 – 12.00	Magnetic-based method for field-screening of Ni hyperaccumulator plants by <b>Prof. Dr. Satria Bijaksana (FTTM)</b>
12.00 – 13.00	<b>Break</b>
13.00 – 14.00	<ul style="list-style-type: none"> <li>■ <b>Opening Ceremony</b></li> <li>• Speech by Rector of ITB (<b>Prof. Ir. N. R. Reini Djuhraeni Wirahadikusuma, MSCE., Ph.D.</b>)</li> <li>• Speech by Chairman of The Asahi Glass Foundation (<b>Mr. Takuya Shimamura</b>)</li> <li>■ Certification Grant Awards 2020 (14 researchers) by The Asahi Glass Foundation</li> </ul>
	<b>Afternoon Session, Moderator : Dr.rer.nat. Catur Riani, S.Si., M.Si.</b>
14.00 – 14.15	Development of Ethanolic Extracts Combination of <i>Centella asiatica</i> and <i>Ipomoea aquatica</i> as a Hypnotic-Sedative Drug: Extract Standardization and Lab Scale Capsule Formulation by <b>Dr. Neng Fisher Kurniati, S.Si., M.Si., Apt. (SF)</b>
14.15 – 14.30	Transcriptomic study on liver cells overexpressing Hepatitis B Virus X mutant protein T118N by <b>Dr. Aluicia Anita Artarini, MSc., Apt. (SF)</b>
14.30 – 14.45	Response of Microbial Community Structure and Dynamics of Chitosan Treated Banana during Fruit Ripening using Omics Technology Approach by <b>Husna Nugrahapraja, Ph.D (SITH)</b>
14.45 – 15.00	Improved-Capacity and Spectrum-Efficient Wireless Access Network to Support Internet of Things in 5G/6G Wireless Communication Systems (Year-2) by <b>Prof. Dr. Ir. Adit Kurniawan, M.Eng. (STEI)</b>
15.00 – 15.15	<b>Closing Address from Vice Rector for Research and Innovation of ITB</b>