

# List of Invited Speaker



**Speaker Siti Machmudah**  
**Department of Chemical Engineering**  
**Institut Teknologi Sepuluh Nopember**



**Siti Machmudah** is a lecturer in Department of Chemical Engineering, Institut Teknologi Sepuluh Nopember, Indonesia. After graduate from Bachelor Degree in Chemical Engineering Department, ITS, Indonesia (1998), she graduated from her Master Degree in Graduate School of Science and Technology, Kumamoto University, Japan (2005). She graduated fro doctoral degree in three years (2008) from Kumamoto University.

Siti Machmudah is known as a lecturer in Department of Chemical Engineering, Institut Teknologi Sepuluh Nopember since 1998. After graduated from doctoral degree in Japan, she also known as reseacher in Bioelectric Researcher Center, Kumamoto University (April, 2008 – March, 2009), researcher in Department of Chemical Engineering, Nagoya University (April, 2012 – Marcch, 2014). Her reasearch is concern in **Bioelectric**. As in April 2009 until March 2011 she becam a Japan Society for the Promotion of Science (JSPS) prostdoctoral research fellow in Bioelectric Research Center in Kumamoto University. She also became a postdoctoral researcher in Bioelectric Research Center of Kumamoto University. Because she is a researcher, Siti Machmudah has publised 62 international journal papers.



**Speaker Ridho Bayuaji**  
**Department of Civil Engineering**  
**Institut Teknologi Sepuluh Nopember**



**Ridho Bayuaji** is lecturer at Concrete Technology and researcher at Laboratory of Material Testing in Civil Engineering Department, Faculty of Civil Engineering and Planning, ITS – Surabaya.

His research interests are: hydration and microstructure of concrete materials, incorporation of waste and alternative materials into current building materials, durability and structural performance of alternative and natural building materials, geopolymer concrete, green material Technology, cement replacement material, lightweight concrete, coaching in Civil Engineering program. In 2015, he is currently developing research consortium green material in Geopolymer Research Consortium Indonesia (KORIGI)

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**Speaker Sri Fatmawati**  
**Department of Chemistry**  
**Institut Teknologi Sepuluh Nopember**



**Sri Fatmawati** is assistant professor at Laboratory of Natural Product and Chemical Synthesis, Department of Chemistry, Faculty of Mathematics and Natural Sciences, ITS – Surabaya. She obtained her MSc and PhD from Kyushu University, Japan. She is reviewer of some national and international journals. She also received more than 10 honors and awards both national and international, such as: **Faculty for The Future Award, 2012 from Schlumberger Foundation – Netherlands, International L'Oreal-UNESCO For Women in Science (FWIS) 2013 from L'Oreal-UNESCO – Paris, France. People of The Year 2013 kategori “Tokoh Muda Indonesia”** from *Koran Sindo (Seputar Indonesia, MNC Group)*, **The best five Ristek – Kalbe Farma Young Scientist Award 2014** from *Ministry of Research and Technology-Indonesia and Kalbe Farma Tbk*, **Inspiring female scientist from Indonesia** from *Euraxess Links ASEAN E-newsletter, March edition 2015* and **KARTINI AWARD “The Most Inspiring Woman”** Surabaya Suite Hotel, Surabaya – Indonesia in April 2015. She is particularly interested in natural products and medicinal chemistry.



**Speaker Totok Ruki Biyanto**  
**Department of Engineering Physics**  
**Institut Teknologi Sepuluh Nopember**



**Totok R. Biyanto (TRB)** is associate professor at Instrumentation, Process Control and Optimization, Department of Engineering Physics, Faculty of Industrial Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia. He completed his PhD from University of Petronas Malaysia. His research and teaching interests are instrumentation, advanced process control and optimization for oil and gas, petrochemical, cement, powerplant, and general industries, green building, energy efficiency and conservation, heat integration, and plant design.