



## PREFACE

The 3<sup>rd</sup> Indo EBTKE-ConEx 2014 is an annual event organized by the Directorate General of New and Renewable Energy and Energy Conservation (DG-EBTKE), Ministry of Energy and Mineral Resources of the Republic of Indonesia, in cooperation with the Indonesian Renewable Energy Society (IRES) and Quad Event Management. The event was held on 4–6 June, 2014 at the Jakarta Convention Center (JCC), with the theme “Time to Deliver Clean Energy for the Nation”. The theme was created to revive the commitment to deliver clean energy, which is new and renewable energy and energy conservation, for the nation. It is also relevant to the Indonesian energy security and sustainability roadmap as stated in the national energy policy. Indo EBTKE-ConEx 2014 was officially opened by Prof. Dr. Boediono, Vice President of the Republic of Indonesia. This event was attended by a total of 5,010 visitors.

The 3<sup>rd</sup> Indo EBTKE-ConEx 2014 provided an excellent venue to identify opportunities in regional Indonesia that are challenging to reach. It also provided an important opportunity to share knowledge, understand challenges in renewable energy, build partnerships and strengthen cooperation among key stakeholders.

The aims of Indo EBTKE-ConEx 2014 were to:

- Increase public awareness of new and renewable energy and energy conservation (“EBTKE”) concept
- Promote latest products and technology of EBTKE
- Provide platform for EBTKE key stakeholders (governments, private sectors, and academics) to network and increase collaboration to achieve Indonesia’s EBTKE target
- Stimulate growth of new entrepreneurs in EBTKE as a sector, also increase the number and capacity of EBTKE projects significantly in the near future.

The conference presented papers from 40 international and Indonesian scientists, technologists, researchers, academicians, government officials, practitioners and the private sector. Presentation material from the conference can be downloaded at <http://www.indoebtke-conex.com/detail.php?id=3&cat=3>

The exhibition displayed and demonstrated various technologies on EBTKE at 27 booths in the Jakarta Convention Center. Education was carried out in three ways:

- **Training on new and renewable energy**, including biogas, biomass energy, solar energy / photovoltaic, mini and small hydropower, was conducted by GIZ-Indonesia and the USAID Indonesia-Clean Energy Development (ICED Project); and training on energy efficiency was conducted by the United Kingdom Climate Change Unit (UKCCU). Training material from the conference can be downloaded at <http://indoebtke-conex.com/detail.php?id=3&cat=3>.

- An **essay contest** on new and renewable energy and energy conservation for students from junior high schools, senior high schools and undergraduate higher education produced 123 essays
- A **scientific poster competition** on new and renewable energy and energy conservation for graduate students, researchers, lecturers / academicians, technologists, and practitioners of new and renewable, and energy conservation produced 74 posters

A call for technical papers elicited 131 extended abstracts and, following a thorough peer review process, 77 manuscripts were selected for presentation in Indo EBTKE-ConEx 2014 (<http://www.indoebtke-conex.com/detail.php?id=4&cat=3> and [http://www.indoebtke-conex.com/data\\_proceeding.php](http://www.indoebtke-conex.com/data_proceeding.php)). After selection and review by the scientific committee, 25 selected manuscripts were chosen for publication in KnE Energy Volume 2 – 2015.

We wish to convey our utmost appreciation to all authors and reviewers for their high quality contributions; to all participants/visitors for their participation; and to committees for their strong support throughout the Indo EBTKE-ConEx 2014. Special thanks to Knowledge E Digital Libraries – Dubai, UAE for publish on-line the 25 manuscripts on KnE Energy, Volume 2 - 2015

Last, but not least, we hope Indo EBTKE-CONEX 2014 provided an interesting program and served as an excellent forum for innovative and technical discussions. We look forward to seeing you all at Indo EBTKE-ConEx 2015.

Sincerely yours,  
Jakarta, June 2014



**Salis Aprilian**  
**Indo EBTKE-ConEx 2014**  
**Chairman of Organizing Committee**