

BAGUS Project News

ITB International Geothermal Workshop 2018

On 21st and 22nd March 2018, Geothermal Master Program, Faculty of Mining and Petroleum Engineering ITB held the annual ITB International Geothermal Workshop (IIGW) for the seventh time. This year's theme was *"Uniting Geothermal Energy Stakeholders through Collaborative Efforts for Nation's Prosperity"*. A series of workshops, exhibitions and field trip were organized in the event.

In the event, BAGUS Project team was given a special session on 22nd March 2018 from 13.00 to 16.00 as seen in the next table.



BAGUS SATREPS Session
Thursday, 22 March 2018

TIME	Paper Title	Paper ID
13.00-13.20	Research Progress of the BAGUS Project by Kyoto University Team (Koike K – Kyoto University)	--
13.20-13.40	Research Progress of the BAGUS Project by ITB Team (Notosiswoyo S. and Nurheriawan M. – ITB)	--
13.40-14.00	Overview and Progress Report of Radon Measurement for BAGUS Project (Taiki Kubo – Kyoto University)	--
14.00-14.20	Detection of Ground Thermal Anomaly Under Dense Vegetation Based on ASTER TIR Images (Citra Aulian Chalik, Asep Saepuloh – Geothermal ITB)	ID 037
14.20-14.40	Environmental Activity Monitoring at Wayang Windu Geothermal Field Using A Remote Sensing Application (Ahmad D. Abdurrahman, Arie N.H. Hede, M. Nur Heriawan. - ITB)	ID 120
14.40-15.00	COFFEE BREAK	
15.00-15.20	Alteration Study Using Landsat 8 Image of Densely Vegetated Areas of The Wayang Windu Geothermal Field, West Java (Kristian E. Salamba, Arie N.H. Hede, M. Nur Heriawan – ITB)	ID 125
15.20-15.40	Identifying Thermal Features of Mineralization Zones Based on Thermal Infrared and XRD Analysis (Andi Fahdli Heriansyah, Asep Saepuloh, M. Nur Heriawan – ITB)	ID 140
15.40-16.00	Surface Deformation Analysis at Geothermal Field Using Atmospherically Corrected D-INSAR to Predict Reservoir Zones (Hibban H. Siddiq, Asep Saepuloh – Geothermal ITB)	ID 172



Prof. Koike presented the research progress of the BAGUS Project by Kyoto University team, while Dr. M. Nur Heriawan presented research progress of the BAGUS Project by ITB. Mr. Taiki Kubo presented the overview and progress report of radon measurement for BAGUS Project. ITB students also participated in presenting their joint researches with BAGUS Project team members.



Project Technical Meetings in December 2017 and March 2018



ITB team, headed by Indonesian Project Leader, Prof. Sudarto Notosiswoyo, visited Kyoto University and had a technical meeting and presented a special lecture from 28th November to 7th December 2017.

During his visit to ITB for the 7th IIGW 2018, Prof. Koike took the opportunity to sit with the ITB team members to discuss about progress of the Project's researches and the possibility of collaborating on the publications. In the meeting, he also informed that the Project has passed JST's midterm evaluation with a satisfying score and some remarks by JST to enable the technology developed in the project into a policy or technical standard in Indonesia. As a result of the meeting, Kyoto University and ITB were able to confirm the research activity plans and research paper plan in 2018.

2018 Intensive Geothermal Short Course at Kyoto University: Candidate Selection

The Intensive Geothermal Short Course at Kyoto University will be held in September 2018 and the process of selecting trainee candidates has begun in early March. Prof. Koike led the interviewing process of the nineteen pre-selected applicants during his visit in ITB on 22nd and 23th March 2018. According to Prof. Koike, he was satisfied with the quality of the candidates being interviewed. Many of them possess good command of English language and communication ability, sound interest pertinent to geothermal technology and in Japanese culture, society and technology. Ten finalists will be announced in early April 2018.



Field Survey & Research Activities

Mr. Taiki Kubo visited ITB from 31st January to 7th February to find out the condition of the radon and mercury measurement instruments, to confirm the new shallow boring sites with ITB, and to discuss with ITB side on the ITB developed high-resolution DEM. He returned to Bandung from 25th February to 25th March 2018 and continued the activities.

Dr. Tada Yohei visited Bandung from from 25th February to 3rd March 2018 together with Mr. Yudi Rahayudin in order to teach the ITB team the usage of a newly provided IR-MS (Stable Isotope Ratio Mass Spectrometry System) to measure the stable sulfur and carbon isotope ratio in order to obtain the information on the origin of gas collected from the geothermal manifestations. Likewise, he taught on the use, calibration, and maintenance of ICP-MS (Inductively Coupled Plasma Mass Spectrometry System) and IC (Ion Chromatography System) to enable understanding of the movement of the fluid in deep sub-surface through chemical analysis of hot water samples.



A Joint ITB/JICA/JST SATREPS Project for Technology Development of Steam-spot Detection and Sustainable Resource Use for Large Enhancement of Geothermal Power Generation in Indonesia Beneficial and Advanced Geothermal Use System

Contact:

BAGUS Project Office
Faculty of Mining & Petroleum Engineering
Bandung Institute of Technology (ITB)
Jl. Ganesha 10, Bandung, Indonesia

Website:

<https://www.jica.go.jp/oda/project/1400739/index.html> (JICA)
<http://bagus-satreps.fttm.itb.ac.id/> (ITB)
http://www.jst.go.jp/global/kadai/h2601_indonesia.html (JST)
<http://www.geov.kumst.kyoto-u.ac.jp/bagus1.html> (Kyoto University)