

# UGM Students Paper Most Applicable in IMGI Scientific Conference 2018

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The Industrial Revolution 4.0 has triggered the emergence of innovations in various areas, including geospatial. This phenomenon has been responded by Association of Indonesian Geodesy Students (IMGI) who tried to give contributions to meet the challenge by hosting an event, *IMGI Scientific Conference 2018* that raised the theme Realisation of Geospatial Science as Strategy to Meet Social Problems on Saturday (17/3) in Panderman Hill, Kota Batu, East Java.

The conference also served as a forum for the students to express their creative geospatial ideas in scientific works. Of all the papers that came in, seven were selected to make a presentation to the juries. The papers came from a number of universities, including Institut Teknologi Bandung (ITB), Institut Teknologi Nasional (ITENAS) Bandung, Institut Teknologi Nasional (ITN) Malang, Universitas Lampung (UNILA), Universitas Pembangunan Nasional (UPN) Veteran Yogyakarta, and Universitas Gadjah Mada (UGM).

The UGM team comprising Yuri Gama Rivandi (Geodesy Engineering 2014), Febriananda Ladivanov (Geodesy Engineering 2014), and Muhammad Naufal Abiyyu (Computer Science 2014) in the forum raised their ideas in a paper titled *Use of Web-based Geospatial Information System in the Making of Portal of Indonesian Rural Products (ProDesa) to Accelerate the Creation of One Village One Product.*" This paper won the award for the category of most applicable paper.

Yuri explained the idea started from the wish to optimise the *One Village One Product* programme by utilising Geospatial Information System (GIS).

“The UGM team agreed to create a portal containing rural products that are marketable and competitive in the cyber world,” said Yuri on Wednesday (21/3).

Yuri said further that the portal contained Indonesian maps with rural areas borderlines and details of each village, particularly their product of excellence. He said the SIG would be useful to help estimate the potential of a village as well as cost of a product based on distance. Currently, many startups have used SIG for online transportation that has improved the economy of many people.

“This portal can later be run by rural organisations, such as women’s or youth organisation with access to update their product information regularly,” said Yuri.

Remembering that access to the internet is crucial in the portal operations, according to Yuri, this idea needed to run together with the Internet Goes to Village programme. It also requires top-down guidance from government or private sector. He hoped the portal would also go along with other policy, such as *One Map* and *One Data policy*.

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