

Southeast Asian Academics Learn Coding and Cryptography at UGM

Tuesday, 16 July 2019 WIB, By: marwati




UGM hosts *Summer Course on Coding Theory and Cryptography* from 15-26 July 2019, which is attended by tens of participants from various countries in Southeast Asia.

Inviting 21 experts, researchers, academics, and practitioners in mathematics, computer science, physics, and electrical engineering from world universities, the event discussed data security, particularly related to cryptography and coding. Sixty participants came from Singapore, China, the Philippines, Thailand, India, South Korea and Indonesia.

Event committee chairperson, Dr. Indah Emilia W, said on Monday (15/7) after the opening of the summer course at UGM Library that cryptography and coding were still a big challenge facing most countries in the world. Communication development has forced man to hide the information they own from others for the sake of security and privacy.

To deal with the matter, Algebra Laboratory of Mathematics Department UGM and Algebra Expertise Group from ITB host the summer course as a learning tool to delve deeper into the background and the required multi-disciplines in order to investigate cryptography more. The event



was supported by the Southeast Asian Mathematical Society (SEAMS). The participants will take part in a series of courses, tutorials, and discussion.

“Besides, we also learn tools uses from physics, maths, and computation aspects in cryptography as well as identifying the problems that arise,” she said.

Indah said the event was a good way to explore multidisciplinary collaboration between the experts and institutions. Meanwhile, UGM Director for Partnership, Alumni, and International Affairs, Dr. Danang Sri Hadmoko, opening the event highlighted the importance of cryptography and impact on human lives. He said amidst the information and communication technology progress, data security became a great issue facing world communities. “Data security in message delivery is not just a national but also world issue,” he said.

He hoped event participants would share information and knowledge on cryptography and coding so as to produce new knowledge that can support data security.

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