

# **Report on SEAMS school**

## **University Gadjah Mada, Yogyakarta, Indonesia**

*9-17 November 2015*

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### **On some Aspects of Representation Theory**

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The project of this SEAMS school began during ICM 2014 in Seoul, where the Professor Sri Wayuni said to me her wish to organize a school in her university in Yogyakarta and she asked me to help her. The Prof. Sri Wayuni, Chair of the department of mathematics of the university Gadjah Mada, knows very well CIMPA because she took part of a CIMPA school in 2011 in her department, and she is involved in SEAMS.

This school gathered 55 participants, 12 foreigners and 43 Indonesian. CIMPA supported 10 of the 12 foreigners coming from Malaysia, Cambodia, the Philippines, Pakistan, Nepal and Vietnam; two others were from the university of Nagoya. We have to mention that there exists a MoU between the Faculty of Sciences of Gadjah Mada University and the university of Nagoya, this MoU is specific for mathematics and it is the reason why this two Japanese mathematicians attended this school.

The Indonesian participants were mainly from Yogyakarta and also from ITB Bandung, where some CIMPA schools were already organized.

Eight lecturers, five from Indonesia (ITB Bandung and Gadjah Mada), one from Netherland, one from Singapore and one from France, gave a total of 21 sessions of 1h30 to 1h45.

Four thematic groups were organized. I gave four talks on Hypergeometric Functions and Monodromy Representation.

Every day, the two hours last session was for discussions. The students were very active during these sessions.

The foreign lecturers stayed at UGM hotel, ten minutes walking from the department of mathematics and the foreign participants stayed in some guest houses in the UGM campus.

The lunch and the coffee breaks were offered at the department of mathematics.

Due to the Professor Sri Wayuni and the local organization committee, the relations between the participants and the lecturers were very friendly. Professor Sri Wayuni asked to one representative by country to give a short

talk during the closing ceremony and it was really a very interesting and amazing time.

Finally, the previsional budget was under evaluated due to the higher prices of the flight tickets of the foreign participants. Professor Sri Wayuni required an extra support from CIMPA and the answer given the same day was positive. All the organizers and lecturers were very happy and they express their grateful thanks to CIMPA.