



# ICMSE 2017

The 4<sup>th</sup> International Conference on Mathematics, Science, and Education  
Universitas Negeri Semarang, Indonesia

## CERTIFICATE

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This is to certify that  
**Budi Astuti**  
has participated as  
*Presenter*

in the 4th International Conference on Mathematics, Science and Education (ICMSE)  
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