



Faculty of Mathematics and Natural Sciences  
Hasanuddin University

# Certificate

This is to certify that

**Noor Hindryawati**

has presented a paper with entitled

***Pillarization TiO<sub>2</sub> onto Deoiled Spent Bleaching Clay using Rarasaponin as Sufactant***

in The 2<sup>nd</sup> International Conference on Science  
(ICOS 2017)

Makassar, 2-3 November 2017

Rector of  
Hasanuddin University

Prof. Dr. Dwia Aries Tina Pulubuhu, MA.

Dean of Faculty of  
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Dr. Eng. Amiruddin, S.Si., M.Si.

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**ICOS<sup>2017</sup>**  
International Conference on Science

Sri Astuti Thamrin, M.Stat., Ph.D.