













This is to certify that

## Hasanudin

has presented a paper with entitled

Biodiesel Production via Esterification of Sludge Palm Oil (SPO) Over Montmorillonite Sulfonated Carbon Catalyst from Glucose

in the 16<sup>th</sup> Joint Conference on Chemistry (Virtual Conference) "Visualizing The Latest Upfront of Chemistry Research and Education for a Better Future"

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The Chair of 16<sup>th</sup> Joint Conference on Chemistry