



# CERTIFICATE



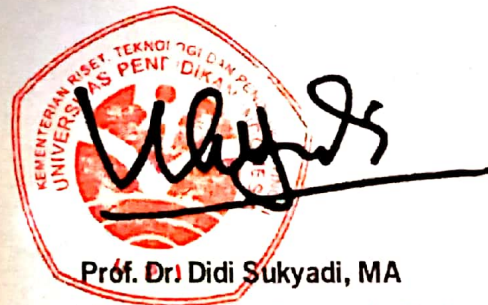
This certificate is awarded to

**T Tirmayasari, A Wahab Jufri and A Harjono**

as  
**Presenter**

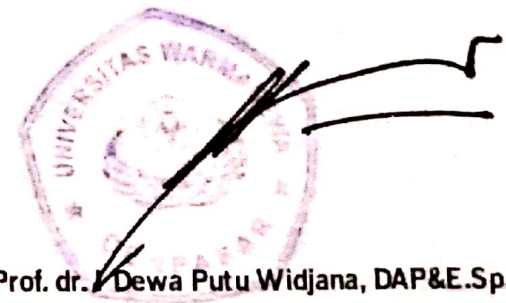
**Materials of Natural Science Based Problem Characters on Light and Optical Concept**

in the **4<sup>th</sup> Annual Applied Science and Engineering Conference (AASEC) 2019**  
**“Integrating Innovations in Science and Engineering among Young Researchers”**  
Bali, Indonesia, April 24, 2019.



**Prof. Dr. Didi Sukyadi, MA**

Vice Rector for Research, Partnership, and Business  
Universitas Pendidikan Indonesia



**Prof. dr. Dewa Putu Widjana, DAP&E.Sp. Park.**

Rector of Universitas Widyadarmas

