



UNIVERSITAS NEGERI YOGYAKARTA  
FACULTY OF ENGINEERING

## CERTIFICATE OF COMPLETION

No. 486/UN34.15/PM/2017

This is to certify that

**Nur Hasanah, M.Cs.**

has successfully completed Short Course on Pattern Recognition  
Faculty of Engineering, Universitas Negeri Yogyakarta in collaboration with  
Faculty of Electrical Engineering, Universiti Teknologi Malaysia  
28 February 2017



**Dr. Widarto**

Dean Faculty of Engineering  
Universitas Negeri Yogyakarta,

**Assoc. Prof. Dr. Syed Abd. Rahman Al-Attas**

Instructor