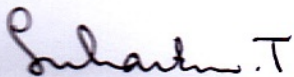


## APPROVAL PAGE

Approval of the Graduate Study Program of Electro-  
Telecommunication Engineering, Telkom University

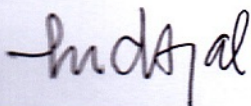
This is to certify that we have read this thesis and that in our opinion  
it is fully adequate in scope and quality as a thesis for the degree of  
Master of Telecommunication Engineering.

Date (DD/MM/YY) 9 September 2015



**(Dr. Suhartono Tjondronegoro)**

First Supervisor



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