

**APPROVAL**

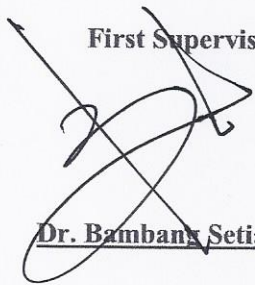
**OPTIMIZATION ESPAR ANTENNA IN BEAMSPACE-MIMO WITH GENETIC  
ALGORITHM**

**This Thesis is approved and authorized to be filled in  
The Graduate Program of Electrical Engineering  
The School of Electrical Engineering  
Telkom University**

**By :  
RISSA RAHMANIA  
2101150019**

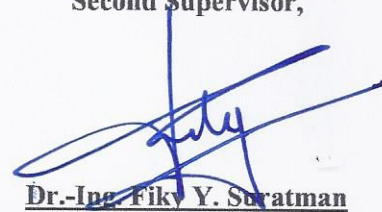
**Bandung, August 2017**

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