

## ABSTRACT

STUDY ANALYSIS OF EXTERNAL GROUNDING SYSTEM  
UNIT ON IMPLEMENTING THE TECHNICAL BUILDING TECHNOLOGY  
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By

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Analysis of grounding system in the building at Unit Service Technic Technology Information and Communication University of Lampung (UPT TIK UNILA), adapted with the application of building space, grounding system and grounding systems technology at now. Data collection used to reference and calculation of grounding systems. From data and calculation can find the value of soil resistivity, grounding system components needed.

Procedure performed by collection of rainfall data, building data, and grounding data. After that, calculated data to find the level of grounding system needed, grounding system appropriate, and calculated the grounding system components that will be used. Also take cost of components that the grounding system will be installed.

Results of research at UPT TIK UNILA require external grounding system who determined using the external grounding system with franklin system and parallel grounding rod.

Keywords: Grounding System, Grounding System Components, UPT TIK UNILA