

## COVER LETTER

Daniel Rio Armanda  
Electrical Engineering Master's Program, Faculty of Electricity & Renewable Energy,  
Institut Teknologi PLN, Jakarta, Indonesia  
daniel2010033@itpln.ac.id  
+62 821 9595 5070

October 17<sup>th</sup>, 2022

Dear,

I/We wish to submit an original research article entitled “**Conventional substation upgrading plans into digital substations in Sulawesi - Indonesia**” for consideration by SINERGI.

I/We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, I/we report on / show that:

Field	:	Smart Grid – Digital Substation (Electrical Engineering)
Topic	:	Digital Substation Implementation
Brief Background	:	Digital substation technology in Indonesia is still in development stage and there are only six pilot projects in scattered locations, hence in-depth research is needed regarding equipment requirements and the amount of investment needed by PLN to build digital substations, especially the plan for implementing digital substations in Sulawesi.
Research Problem	:	Research is conducted by studying and observing the existing digital substation in Indonesia. Afterwards in this paper will be explained how to upgrade and what materials, or equipment that must be equipped to upgrading conventional substations. Then, how much the actual value of the investment needed by PLN to build or upgrading into a digital substation in Indonesia, especially in Sulawesi.
Overview of Method	:	One of methods for developing digital substations in Indonesia is upgrading conventional into digital substation. Research method that carried out were conventional substation surveillance, study of literature (smart grid & digital substation understanding, network redundancy in substation), collecting of existing substation project

		contract data, and calculate financial feasibility of digital substation construction development.
Significant finding	:	Field observation methods, case studies in Indonesia and financial studies were carried out to determine the level of project feasibility.

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,  
Daniel Rio Armanda



## AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled “**Conventional substation upgrading plans into digital substations in Sulawesi - Indonesia**” for consideration by SINERGI.

All persons who meet authorship criteria are listed as authors, and all authors certify that they have participated sufficiently in work to take public responsibility for the content, including participation in the concept, design, analysis, writing, or revision of the manuscript.

<b>Author 1</b>	
Name	: Daniel Rio Armanda
Affiliation	: Electrical Engineering Master's Program, Faculty of Electricity & Renewable Energy, Institut Teknologi PLN, Jakarta, Indonesia
Email Address	: daniel2010033@itpln.ac.id
<b>Author 2</b>	
Name	: Pawenary
Affiliation	: Electrical Engineering Master's Program, Faculty of Electricity & Renewable Energy, Institut Teknologi PLN, Jakarta, Indonesia
Email Address	: pawenary@itpln.ac.id
<b>Author 3</b>	
Name	: -
Affiliation	: -
Email Address	: -
<b>Author 4</b>	
Name	: -
Affiliation	: -
Email Address	: -

## POTENTIAL REVIEWERS

Please submit 3 (three) potential reviewers (*that have not listed in SINERGI*) to speed up the review process that competent for the topic and has a good reputation in that area.

<b>Reviewer 1</b>	
Name	: Prof. Dr. Dr. H. Aminullah Assagaf, SE., MS., MM., M.Ak
Affiliation	: Faculty of Economics and Business, University of Dr. Soetomo, Surabaya <a href="https://scholar.google.com/citations?user=gWNthy8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=gWNthy8AAAAJ&amp;hl=en</a>
Email Address	: <a href="mailto:assagaf29@yahoo.com">assagaf29@yahoo.com</a>
<b>Reviewer 2</b>	
Name	: Dr. Ir. Zainal Arifin, MM
Affiliation	: PT PLN (Persero) Headquarter Office – Technology and Engineering Division
Email Address	: <a href="mailto:zainal.arifin22@pln.co.id">zainal.arifin22@pln.co.id</a>
<b>Reviewer 3</b>	
Name	: Dr. Musa Partahi Marbun, ST., MT.
Affiliation	: PT PLN (Persero) Headquarter Office – Electricity System Planning Division
Email Address	: <a href="mailto:musa@pln.co.id">musa@pln.co.id</a>