



REVIEW NOTES

Manuscript ID: 9704

No.	Object	Comments
1.	Title	<ul style="list-style-type: none"> ⊗ The phrase On-Grid Solar Power Plant should be replaced with On-Grid PV System ⊗ The phrase Environment should be removed. The phrase environment is not used to indicate geography, it is more suitable to use the campus area, but with the phrase Pamulang University, it is enough to indicate the place.
2.	Abstract	<ul style="list-style-type: none"> ⊗ Remove PLTS from the abstract.
3.	Introduction	<ul style="list-style-type: none"> ⊗ This section is strong in explaining the need for renewable energy and the technical challenges of solar PV, but the focus on the grounding system only appears in the final paragraphs. ⊗ There are no explicit sub-sections that formulate the problem (for example: “How to design a grounding system that meets the standards in a campus area?”). ⊗ An objective is implied (design a grounding system for a 100 kWp PV System), but not explicitly stated. ⊗ Add a research gap (e.g.: lack of PLTS grounding studies in the campus area) and specific objectives.
4.	Basic of Theory	<ul style="list-style-type: none"> ⊗ The basic theory (grounding, lightning protection, inverters) is complete and relevant to the problem. However, it lacks criticality-no discussion of the weaknesses or advantages of existing methods. ⊗ Standards such as PUIL 2011, IEC 62305, and IEEE 80 are well explained, but need to be linked more clearly to the context of solar power plants on campus. ⊗ Add a comparison table of different standards or grounding methods to show the uniqueness of the author's approach.
5.	Methods (Optional)	<ul style="list-style-type: none"> ⊗ The research methods (literature study, observation, mathematical calculation) are standard for engineering articles. However, the research flow (Figure 3) is too simple and lacks details. Add a more detailed flowchart or justification for the method selection (e.g., the advantages of ESE over conventional). ⊗ The use of Earth Tester 4150A and the resistance calculation formula are well explained, but the validation of the method (e.g. why ESE was chosen?) is not discussed.
6.	Analysis and Discussion	<ul style="list-style-type: none"> ⊗ Field data (building dimensions, ground resistance) and calculations (lightning protection radius >117.79 m, resistance 0.33 Ω) are presented systematically. ⊗ Results are compared with PUIL 2011, but lack discussion with other studies (for example: is the value of 0.33 Ω better than similar studies?). ⊗ Images (campus layout, grounding design) are helpful, but

INDEXED IN





p-ISSN : 2354 – 8924
e-ISSN : 2527 – 9572

PROtek

PROtek : Jurnal Ilmiah Teknik Elektro | p-ISSN 2354-8924 e-ISSN 2527-9572

Program Studi Teknik Elektro Fakultas Teknik Universitas Kairun | Jl. Raya Pertamina (Gambesi) Ternate - Indonesia
Email : protek@unkhair.ac.id | <https://ejournal.unkhair.ac.id/index.php/protk/index>

		<p>comparison graphs (e.g. resistance vs. electrode depth) could strengthen the analysis.</p> <p>⊗ Discuss practical implications (e.g. implementation costs) and limitations (e.g. seasonal effects on ground resistance).</p>
7.	Conclusion	<p>⊗ The conclusion answers the objective (the grounding design meets the standard), but does not highlight the key findings (for example: the importance of parallel configuration of the electrodes).</p> <p>⊗ Add research contributions and development directions (e.g.: applications on other campuses).</p>
8.	Bibliography	<p>⊗ Some of the references (2021-2024) are current, but some are old (2017-2018).</p> <p>⊗ The majority are from journals/proceedings, but some are less relevant (for example: [14] on nanotechnology).</p> <p>⊗ Replace outdated references with recent studies on solar power plant grounding or lightning protection.</p>

SUBMISSION DECISION*

Accepted

Accepted with some revision by editorial board

Accepted with some revision by authors

Rejected

* Please fill the form

Overall, the article is technically sound but needs improvement in depth of analysis and academic writing.

Use tools like Grammarly to check grammar. Avoid excessive passive voice.

INDEXED IN

