## **Accepted Manuscript**

Cost-Security Analysis Dedicated for the Off-grid Electricity System

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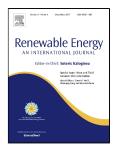
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## **ACCEPTED MANUSCRIPT**

- The power security aspect of electricity reliability dedicated for off-grid system is analyzed based on the impact of sudden system failure.
- The methodology for the design of appropriate installed capacity combination between renewable energy and storage technology is established.
- The sensitivity testing is conducted to measure the impact of uncertainties arising from the determination of weighting factor.

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