

2025 Tech4Good Project – Final Report Summary as entered into Smartsheet				Project #		25-T4G-063	
Project Name:		BLUE NOBLE					
Project Lead:		Indra Riyanto		Report Submitted Date:		07/31/26	
Country:		Indonesia		Fiscal Intermediary:		Indonesia Section	
Grant Amount:		\$9,900.00		Total Spent:		\$9,591.14	
Project Start Date		07/07/25	Original Project End Date	07/01/26	Actual Project End Date	07/17/26	
Final Summary							
The project installed two 3kW inverters each supplied by four 620Wp PVs. One system to support the foster home and another system powers the special needs school. The system benefits a total of 118 teachers and students of Amal Mulia Foundation, of which, 40 of the students are also living in the foster home in the Amal Mulia complex. After observation, the representative from Amal Mulia reported 50% of electricity cost reduction despite the coming of rainy season.							
Updates to Stakeholders Involved							
No changes							
Updates to the # of Individuals Benefitted							
No changes							
Target Groups (Final Report)			Lowest income groups				
Community Involvement (Final Report)			Construction/Building, Maintenance, Planning				
Primary Assessment Indicator Value			4960				
Secondary Assessment Indicator Value			50% reduction of monthly electricity costs				
Additional Impact/Outcomes Updates			-				
Updates to the # of Participants			Aside from Zabur, three additional students joined the project while underway (Angga, Adjie, and Fathan)				
Milestones							
PV sites changed from previously planned location due to change of space utilization, which cause hazard to the students. The new location is set at one of the rooftops, and need to change the now fragile asbestos roofing to corrugated metal roofing to facilitate easier attachment of PVs.							

Risks
Due to short notice change in area utilization for the students in the former location, it is deemed unsuitable as it potentially cause electric shock hazards. Team immediately do another checks for alternate location and agreed upon the new location on the rooftop of a building. This change also eases PV cleaning in the future.
Organizational Units (OUs)
N/A
External Collaboration
N/A
Did any team members become IEEE members?
Yes, all the students applied for IEEE Student Member, in addition, four other students who are close colleagues are also joining IEEE
Where there any changes to the project budget?
"- Cost of hollow pipes for PV support structures are changed to corrugated roof. - PV system accessories are itemized (cables, connectors, MCBs, etc.)"
Communicating Results
We reported our work to Universitas Budi Luhur Directorate for Research and Community Service. Our project are also being mentioned by IEEE Indonesia Section.
What were the biggest lessons learned?
Project management due to rapidly changing conditions need trust and coordination between everyone involved in this project. Personnel scheduling is also an important aspect to ensure smooth and timely work.
What part of the project is the biggest success?
We expand the beneficiary, and IEEE brand awareness, while also receiving requests for assistance from other aspiring IEEE members. Many IEEE members in Indonesia and to lesser extent, Asia, regarded the project series as a successful and sustainable example of IEEE Humanitarian Project.
Can IEEE members get involved, and if so, how?
Yes, any improvement by other IEEE members are welcome.
Link to Project Folder: 25-T4G-063

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