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Study on Energy Usage and Quality of Life for Rural Community Through Rural Electrification using Renewable Energy

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Introduction



Introduction

- **Poor Accessibility**
- **Not economically viable to electrify!?**



Rural Iban Communities in Sarawak

- **Some still stay in traditional “Long House”**
- **Close-knit community**



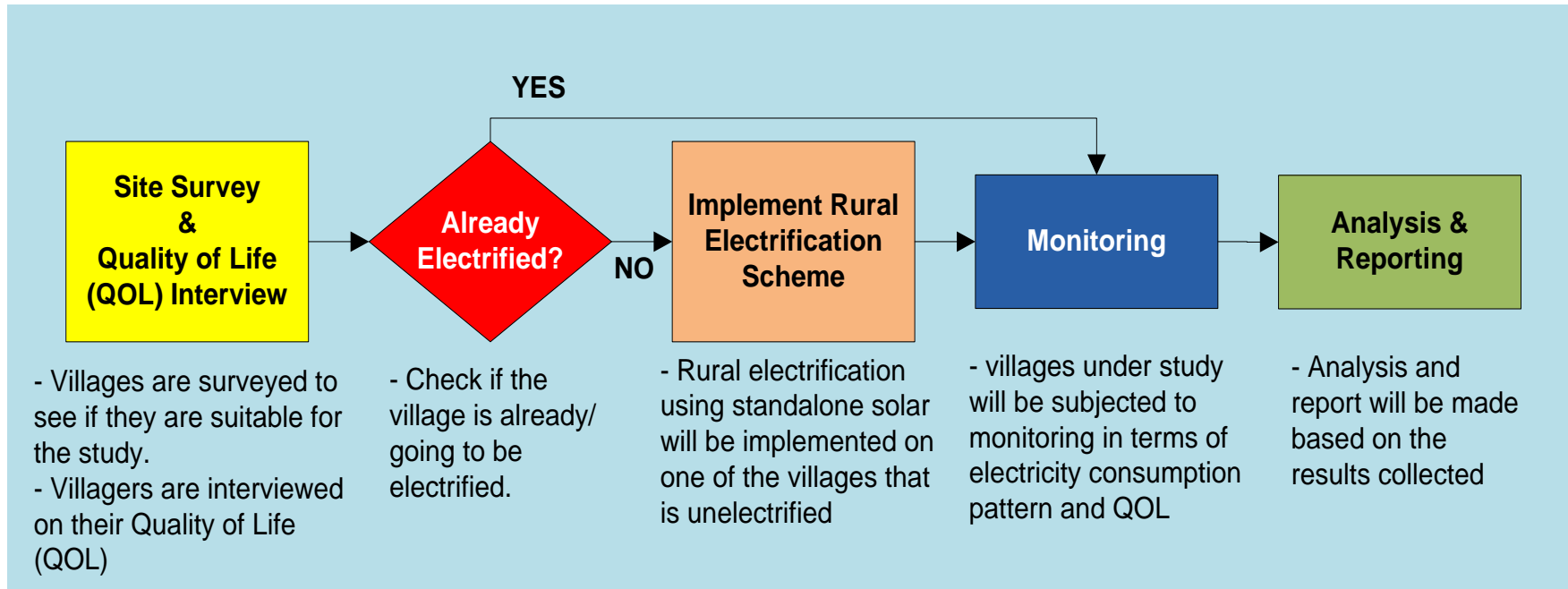
Expected Outcomes

The aims of the project are:

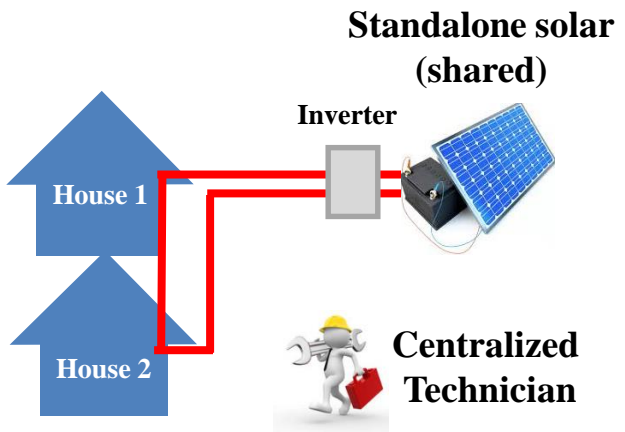
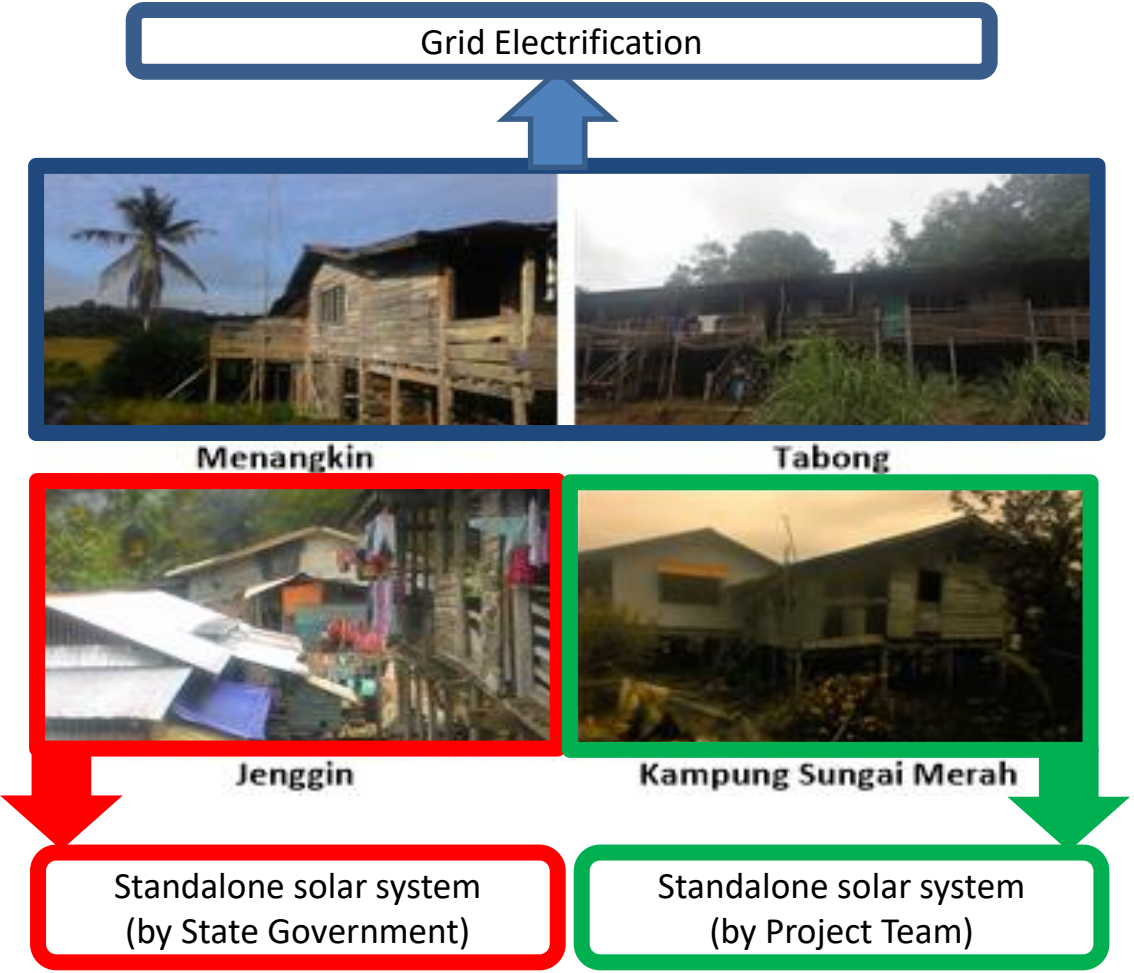
- to study the **energy usage pattern** and **lifestyle** (Quality of Life, QOL) before and after rural electrification of rural community in interior Sarawak, Malaysia.
- to find the **effective approach of implementing rural electrification** by survey on the differences and/or similarities between the energy usage pattern and life style of the villages under different rural electrification schemes.

It is anticipated that the findings from this project can provide better understanding on the impacts of rural electrification schemes to rural communities and methods to improve the **sustainability of such schemes**.

Methodology



Progress/Findings



Progress/Findings



Based on the survey conducted so far, the following findings have been made:

- Most of the villagers (75%) has received education only up to primary school level
- Their incomes are lower than average (RM 3,831/month)
- 90% villagers are satisfied their lives
- Thinking importance to connect with neighbors, and are in good health/mental conditions.
- Personal activities, i.e. watching movies or going for shopping, are at very low level because their access to transportation is very poor.

Next steps

- Install 5 sets of standalone solar systems in Kampung Sungai Merah.
- Install monitoring system.
- Provide training to local villager on maintaining and operating the standalone solar system.
- Continue to monitor the energy usage and lifestyle of the villagers



THANK YOU
ありがとうございました
ขอขอบคุณ

