

Final Report

1. Project ID & Title: PFH24-09 Shine On Sustainably S.O.S
2. Name of University: Universiti Malaysia Sabah
3. Project Leader: Safawati Binti Japri
4. Instagram link: https://www.instagram.com/shine_sustainably2024/
5. Project implementation date: 15 January 2025 - 27 July 2025
6. Location of project held:
Kampung Mangkapoh,
Ranau, 89300,
Sabah.
7. Beneficiary: Improved visibility and enhanced navigation during night time and dawn hours
8. Number of beneficiaries: 410 Villagers and 150 Students

Section I

A. Project Goals:

The initiative aims to provide 20 solar lamps and 2 Solar Spotlight near Kampung Mangkapoh in Ranau to enhance visibility and reduce the risk of accidents during night-time and early morning hours. By improving lighting conditions, the project will enable villagers to carry out work, household chores, business activities, and recreational pursuits even after sunset. The solar lamps will be distributed and installed in strategic locations, particularly on suspension bridges throughout the rural area, to ensure maximum coverage and impact.

B. Fund-raising support & Other external sponsorship:

- Crowdfunding

C. Project Implementation:

1. Project Flow Summary:

a. 15 January 2025

- Preparation of webinar and crowdfunding campaign

b. 27 March 2025

- Received Grant from Khind Starfish Foundation

c. 07 May 2025 - 20 May 2025

- Purchase 20 Solar Lamp and 2 Solar Spotlight.

d. 15 May 2025 – 20 May 2025

- The required materials were purchased from Komegah Sdn Bhd.
- Site clearance conducted.

e. 21 May – 31 May 2025

- Installation of the first 6 solar lamps at key locations.

f. 01 June – 15 June 2025

- Installation of the next 8 solar lamps focusing on high-traffic areas and suspension bridges.

g. 16 June – 10 July 2025

- Installation of the remaining 8 solar lamps and 2 solar spotlights

h. 11 July – 26 July 2025

- Final adjustments, testing, and verification of all installations.

i. 27 July 2025

- Completion of solar lamp installation and overall project implementation.
- Engagement session with the villagers
- Interview the villagers
- Photo session

2. Difficulties

- Kampung Mangkapoh is situated in a remote and rural area, making it less accessible for standard transportation services.
- The project was implemented within a limited budget with the majority of funds allocated to essential project components. Additional expenses, including student travel, accommodation, meals, and logistical support, were fully self-funding.
- The installation process was temporarily halted due to the rainy season.

3. Language or cultural barriers

The solar lamp installation project in Kampung Mangkapoh, Ranau, Sabah, involved close collaboration between the villagers and the student team. Throughout the project, we experienced strong community engagement, with villagers actively participating in the installation process.

4. Project Implementation Process

Overall, the solar lamp installation project in Kampung Mangkapoh went smoothly and efficiently, thanks to the clear division of responsibilities among our team members. Each individual was well-informed of their tasks, which contributed to effective coordination and implementation. In addition, the full cooperation and trust extended by the village head and local community members greatly supported the success of the project. We were pleased to see that the villagers expressed their satisfaction and appreciation for the improved lighting infrastructure. Lastly, the project successfully raised the targeted amount through crowdfunding, which not only supported the installation but also fostered greater public awareness and involvement in addressing rural community needs.

On the other hand, the project faced challenges related to the high cost of materials, particularly the poles required to support the solar lamps. The standard lamp posts were expensive and exceeded the initial budget. To address this issue, the team opted to use square steel tubes as an alternative. These square tubes were more cost-effective while still offering the necessary durability and stability for the installation. This solution allowed the project to stay within budget without compromising on quality or safety.

5. Beneficiaries

The installation of solar lamps in Kampung Mangkapoh has significantly benefited the local community by improving visibility and enhancing navigation during nighttime and early morning hours. This has contributed to a safer and more accessible environment, particularly in areas such as pathways and suspension bridges that were previously difficult to navigate in low-light conditions. A total of 560 individuals directly benefited from this project, including approximately 410 villagers and 150 students. The improved lighting has also enabled extended hours for daily activities, increased safety, and enhanced the overall quality of life for the community.

6. Post-project

This project marked our first practical application of civil engineering in planning, design, and on-site execution to complete a real-world infrastructure project that directly benefits a rural community. The entire process from site assessment and material selection to collaborative construction with the villagers was guided by considerations of functionality, sustainability, and community impact. By addressing the issue of inadequate lighting, the project has contributed to creating a safer and more accessible environment for Kampung Mangkapoh especially during night-time and dawn hours.

Section II (a)

How does or will your project contribute to happiness? Short-term? Long-term?

The solar lamp installation project in Kampung Mangkapoh contributes to the overall happiness and well-being of the local community by addressing a basic yet essential need which is safe and reliable lighting. In the short term, the installation of solar lamps improves visibility during night time and early morning hours, making it easier and safer for villagers to move around, especially in areas like suspension bridges and footpaths. This has reduced the risk of accidents and increased the sense of security within the village.

In the long term, the project enhances the villagers' quality of life by enabling evening activities such as studying, working, socializing, and participating in community events. Furthermore, the use of solar energy promotes sustainability and environmental awareness, contributing to a happier and more hopeful future for Kampung Mangkapoh.

Has your project changed the way you think about the world? How has it changed you?

Yes, this project has deeply changed the way we view the world particularly in understanding the challenges faced by rural communities. The experience taught us that meaningful change doesn't always require large-scale intervention. Even small initiatives like installing solar lamps can significantly improve a community's well-being. Collaborating closely with the villagers also strengthened our appreciation for community-driven efforts and the power of teamwork. Personally, the project inspired a stronger sense of social responsibility and reinforced the importance of using our skills to serve others. It reminded us that as future professionals, we have a role to play in creating a more inclusive, equitable, and sustainable world.

Section II (b)

Safawati Binti Japri:

“Bringing light to a village is more than installing a lamp, it's igniting opportunity.”

Nuramirah Binti Mohd Zaini:

“Access to light is access to safety, education, and hope.”

Arif Luqman Bin Baco:

“Each lamp we install is a promise that no one is left behind.”

Junior Reachie Justtin

“Rural development begins with basic dignity.”

Nur Amirah Nadhirah Binti Abdul Halim:

“Solar power not only lights homes, but it also powers futures.”

Nur Samiha Syakira Binti Bakri:

“In every village we light, we plant the seeds of hope.”

Siti Nurlyani Binti Jusni:

“Electricity connects us, light empowers us.”

Jayden Joseph:

“Solar lamps may be small, but their impact is powerful.”

Mohd Izzat Bin Ismail:

“Light is not a luxury, it is a right.”

Mohamad Al Hafik Fikri Bin Zakaria:

“When technology meets compassion, even the remotest village can shine.”

Section III

Projects for Happiness	
Project ID & Title:	PFH24-09 SHINE ON SUSTAINABLY (S.O.S)
Leader Name:	SAFAWATI BINTI JAPRI
Contact No:	0111-6200105

	BUDGET	ACTUAL	Notes
INCOME	RM	RM	
Monetary sponsorship from Khind Starfish	7500.00	7500.00	
Monetary sponsorship (crowdfunding)	2126.40	2126.40	
Total Income	9626.40	9626.40	
LESS: EXPENSES			
Solar lamp			
SOLAR 500W	1200.00	1080.00	
UFO3000 STREET LIGHT	2000.00	1908.00	
SOLAR SPOTLIGHT	350.00	340.00	
	3328.00	3328.00	
Construction Materials			
Solar accessories standdie		216.00	
Square tube 3" X 3" 2.3mm		2760.00	
Rectangular tube 1" x 2" 1.2mm		164.00	
Cement (50 kg)		144.00	
Black Oxide Primer		72.00	
Golden Bridge Welding Rod		18.00	
Bossmen super-easycut cutting disc 4"		50.00	
Bolt		136.80	
Hex Nut		21.60	
Paint Roller		14.00	
Drill Bit 8 mm		50.00	
	4000.00	3646.4	
Transportation Roy Hardware		1600.00	
Transportation Amry Rojhaidine		100.00	
	2000	1700	
Foods			
Sarapan (Meea yam, roti, minuman)		370	
Fish Ball 500g		7.30	
Keuy Teow		3.90	
Raja Hudang Beehon		35.00	
Nestum 3In1 Honey 14x28g		13.20	

Nestum 3In OAT 14x30g		26.40	
AIK Cheong Cofee Mix		30.50	
Kapal Api Kaw halus		12.20	
Rosemery kek chocolate		15.00	
Munchy Marie 300gm		5.70	
Munchie Marie 300 gm		5.70	
Epaljac Delicious white		9.90	
A/E Kicap pekat manis A2		7.90	
A&W Sarsap 1.5L		3.30	
F&N Orange 1.5L		3.70	
Wise choice frank (honey)		4.70	
Paha Ayam (1KG)		12.50	
K2/SASA Drinking water		20.00	
Makan tengah hari (Nasi, Ayam, Sayur campur, Minuman)		370	
	1000.00	956.89	
Total Expenses	9728.00	9631.30	
Surplus/Deficit	101.60	4.90	Deficit

Project Financial Receipts
Solar Lamp

APLUS COMMUNICATION SDN BHD
(1348885-V)
No. 16, LIKAS BAHARU, LORONG TONGKUZU,
MILE 5, TUARAN ROAD,
88450 KOTA KINABALU, SABAH
TEL: 012-8551848

Invoice

APLUS COMMUNICATION SDN BHD
11, JALAN TONGKUZU, 88450 KOTA KINABALU, SABAH
Tel: 0128551848

Document No.: T04-102102
Date: 07/05/2025 03:32:38 PM
Member: 83113
Terminal: T04
Cashier: SUE

DESC	QTY	U. PRICE RM	Disc	AMOUNT TAX RM CODE
Solar 500w 530x530	8 PCS	135.00	0.00	1,080.00
ANTI-DARK AD-K20 UFO3000 STREET LIGHT	4 PCS	159.00	0.00	636.00
Sub Total (Ex):				1,716.00
GST:				0.00
Service Charge:				0.00
Rounding Adjustment:				0.00
Rounded Total (RM):				1,716.00
Point Earned:				1,716
Point Balance:				1726.00
Cheque				1,716.00

Invoice

APLUS COMMUNICATION SDN BHD
11, JALAN TONGKUZU, 88450 KOTA KINABALU, SABAH
Tel: 0128551848

Document No.: T04-102102
Date: 20/05/2025 01:11:51 PM
Member: 83113
Terminal: T04
Cashier: FIONA

DESC	QTY	U. PRICE RM	Disc	AMOUNT TAX RM CODE
SOLAR-SOLAR ACCESORIES STANDDIE	8 PCS	18.00	0.00	144.00
ANTI-DARK AD-K20 UFO3000 STREET LIGHT	8 PCS	159.00	0.00	1,272.00
FAN-MINI COOLING FAN	1 FOC	0.00	0.00	0.00
Sub Total (Ex):				1,416.00
GST:				0.00
Service Charge:				0.00
Rounding Adjustment:				0.00
Rounded Total (RM):				1,416.00
Point Earned:				1,416
Point Balance:				3211.00
Cheque				1,416.00

MRSOLAR SDN. BHD.
(ROC:202201009073 (1454770-U))
LOT 52, GROUND FLOOR, LORONG INANAM BARU 5, 88450 INANAM, KOTA KINABALU, SABAH.

--INVOICE--

ZS-SPL2 60W *3YR MR*
100003 2.00 X178.00 356.00
Disc -4.49% -16.00
*** Nett 340.00

Item(s) : 1 Qty(s) : 2.00

TOTAL RM 340.00
VISA CARD RM 340.00

**** TOTAL SAVEE: RM 16.00 ****

REPRINT
21-05-2025 12:11

21-05-25 12:11 MH 001 T1 R000000537
SALES PERSON : IWAN
OPERATOR IWAN

Goods sold are NOT refundable and exchangeable.

Thank You

Construction Materials

APLUS COMMUNICATION SDN BHD
(1348885-V)
No. 16, LIKAS BAHARU, LORONG TONGKUZU,
MILE 5, TUARAN ROAD,
88450 KOTA KINABALU, SABAH
TEL: 012-8551848

Invoice

APLUS COMMUNICATION SDN BHD
11, JALAN TONGKUZU, 88450 KOTA KINABALU, SABAH
Tel: 0128551848

Document No.: T03-008522
Date: 07/05/2025 03:45:38 PM
Member: 83113
Terminal: T03
Cashier: FIKA

DESC	QTY	U. PRICE RM	Disc	AMOUNT RM
SOLAR-SOLAR ACCESORIES STANDDIE	4 PCS	18.00	0.00	72.00
Sub Total (Ex):				72.00
GST:				0.00
Service Charge:				0.00
Rounding Adjustment:				0.00
Rounded Total (RM):				72.00
Point Earned:				72
Point Balance:				1798.00
Cheque				72.00

KOMECAH SDN. BHD
(1348885-V)
No. 16, LIKAS BAHARU, LORONG TONGKUZU,
MILE 5, TUARAN ROAD,
88450 KOTA KINABALU, SABAH
TEL: 012-8551848

Invoice

KOMECAH SDN. BHD
11, JALAN TONGKUZU, 88450 KOTA KINABALU, SABAH
Tel: 0128551848

Document No.: T03-008522
Date: 07/05/2025 03:45:38 PM
Member: 83113
Terminal: T03
Cashier: FIKA

DESC	QTY	U. PRICE RM	Disc	AMOUNT RM
SOLAR-SOLAR ACCESORIES STANDDIE	4 PCS	18.00	0.00	72.00
Sub Total (Ex):				72.00
GST:				0.00
Service Charge:				0.00
Rounding Adjustment:				0.00
Rounded Total (RM):				72.00
Point Earned:				72
Point Balance:				1798.00
Cheque				72.00

KOMEGAH SDN. BHD (458611-T)

Kg. Lasing Ranau, 1.1/2 miles, Off Sandakan Road
P.O. Box 336, 89308 Ranau, Sabah,
Phone: 088-878988, 012-8501116, 011-14925188, fax: 088-875622
wechat: komegah email: komegah@hotmail.com

FAKULTI KEJURUTERAAN UMS
SK HANGKAPOH

Cash Sales No. : CS-291168
Date & Time : 10/5/2025 12:19:45 PM
Customer Account : 300-C0001
Sales Executive : counter 2

No	Item Code	Description	Qty	UOM	Price/Unit	Discount	Total Price
1	SQT3X2.3	SQUARE TUBE 3" x 3" 2.3mm	12.00	PC	138.00		1,656.00
2	RTT1X1.2	RECTANGULAR TUBE 1" x 2" 1.2mm	2.00	PC	34.00		68.00
3	CEMENT	CEMENT 50KGS (GASAH)	6.00	BAGS	24.00		144.00
4	MCL/BZBOPMS	MCI (BENZ) BLACK OXIDE PRIMER (BLACK MATT) -5L	1.00	TIN	72.00		72.00
5	GB-WROD-12#	GOLDEN BRIDGE WELDING ROD 12# (2.5mm)	1.00	BOX	18.00		18.00
6	CD-8E4	BOSSMAN SUPER-EASYCUT CUTTING DISC 4" 8EC-88	1.00	BOX	50.00		50.00
7	CD-8E4	BOSSMAN SUPER-EASYCUT CUTTING DISC 4" 8EC-88 (FOC)	25.00	PC			
8	HTNB-90	HT BOLT M8 1.25 x 90mm	48.00	PC	1.90		91.20
9	HTHMB	HT HEX NUT M8 1.25	48.00	PC	0.30		14.40
10	PR-4	PAINT ROLLER 4"	4.00	SET	3.50		14.00
11	BHD-6	BOSSMAN HSS JOBBER DRILL BIT 8mm BHD-6	2.00	PC	25.00		50.00

Continue Next Page ...

KOMEGAH SDN. BHD (458611-T)

Kg. Lasing Ranau, 1.1/2 miles, Off Sandakan Road
P.O. Box 336, 89308 Ranau, Sabah,
Phone: 088-878988, 012-8501116, 011-14925188, fax: 088-875622
wechat: komegah email: komegah@hotmail.com

FAKULTI KEJURUTERAAN UMS
SK HANGKAPOH

Cash Sales No. : CS-291168
Date & Time : 10/5/2025 12:19:45 PM
Customer Account : 300-C0001
Sales Executive : counter 2

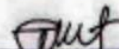
No	Item Code	Description	Qty	UOM	Price/Unit	Discount	Total Price
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KOMEGAH SDN. BHD.
(458611-T)

RINGGIT MALAYSIA : TWO THOUSAND ONE HUNDRED SEVENTY SEVEN AND CENTS SIXTY ONLY

Total Payable
2,177.60

ALL CHECKQUES SHOULD BE CROSSED AND MADE PAYABLE TO AUTHORIZED SIGN ONLY
3. Bank Account : CIMB 8205 595 783


Authorized Signature

Transportation

M/S Cash 日期 DATE / TARIKH : 14/05/25
NO. 號碼 63925

號碼 NO.	摘要 PARTICULARS BUTIR-BUTIR	數量 QUANTITY Kuantiti	價目 UNIT PRICE HARGA	金額 AMOUNT JUMLAH
1	Transport magkapoh	1 trip.		800.00
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
TOTAL / 總計 JUMLAH				800.00

貨物出門，恕不退換。
Goods sold are not returnable. / Barang yang sudah dijual tidak boleh dikembalikan.

ROY HARDWARE
Kg. Loban Ulu, P/s 299,
89307 Ranau, Sabah.
H/p: 014-704 2232

Received by / Diterima oleh / 收貨人 _____
Signature / Tandatangan / 經手人 let n

M/s Cash No. 33241
日期 Tarikh Date : 21/5/2025

NO.	摘要 Butir-Butir / Particulars	數量 Kuantiti Quantity	價目 Harga Unit Price	金額 Nilai Amount
1	penghantaran			
2	pasir dan	2 trip	50.00	100.00
3	tiang Besi			
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
TOTAL / 總計 JUMLAH				100.00

貨物出門，恕不退換。
Barang yang sudah dijual tidak boleh dikembalikan.
Goods sold are not returnable.

AMRY ROJAHAMNE BIN RAJIMIN
KAMPUNG MANGKAPOH SATU
Dis. 89300 RANAU SABAH
Prepared By _____

Received By _____

M/S Cash 日期 DATE / TARIKH : 11/05/25
NO. 號碼 66990

號碼 NO.	摘要 PARTICULARS BUTIR-BUTIR	數量 QUANTITY Kuantiti	價目 UNIT PRICE HARGA	金額 AMOUNT JUMLAH
1	Transport magkapoh	1 Trip.		800.00
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
TOTAL / 總計 JUMLAH				800.00

貨物出門，恕不退換。
Goods sold are not returnable. / Barang yang sudah dijual tidak boleh dikembalikan.

ROY HARDWARE
Kg. Loban Ulu, P/s 299,
89307 Ranau, Sabah.
H/p: 014-704 2232

Received by / Diterima oleh / 收貨人 _____
Signature / Tandatangan / 經手人 let n

Foods

M/S cash 日期 / DATE / TARIKH: 22/5/2025
NO. 號碼 **77583**

號碼 NO.	摘要 PARTICULARS BUTIR-BUTIR	數量 QUANTITY Kuantiti	單位 UNIT PRICE HARGA	金額 AMOUNT JUMLAH
1	Serapan			
2	- mee Ayam	20 PAX	18	50
3	- Roti			
4	- minuman			
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
TOTAL / 總計				370 00

貨物出門·恕不退換
Goods sold are not returnable. / Barang yang sudah dijual tidak boleh diembalikkan.

Received by / Diterima oleh / 收貨人

Signature / Tandatangani / 經手人

M/S cash 日期 / DATE / TARIKH: 31/5/2025
NO. 號碼 **77584**

號碼 NO.	摘要 PARTICULARS BUTIR-BUTIR	數量 QUANTITY Kuantiti	單位 UNIT PRICE HARGA	金額 AMOUNT JUMLAH
1	Makan Tengahari			
2	- Nasi Putih	20 PAX	18	50
3	- Ayam Goreng			
4	- Sayur Campur			
5	- minuman			
6				
7				
8				
9				
10				
11				
12				
13				
14				
TOTAL / 總計				370 00

貨物出門·恕不退換
Goods sold are not returnable. / Barang yang sudah dijual tidak boleh diembalikkan.

Received by / Diterima oleh / 收貨人

Signature / Tandatangani / 經手人

