

waste
plant

tropic
Indonesia
2023



COST &
BUDGETING



GardenShips™ are a solution for food waste, food access, and community education in urban and remote environments - supporting a better, more sustainable way to live.

www.wasteplant.com.au

If we own the problem, we own the solution

WHY GARDENSHIP?



Designed
for the future



Scalable &
Adaptable



Food Waste
Diversion



Food Production
and Access



Engage &
Educate
Community

Own the problem, Own the solution

HOW WE WORK

Strategic plan of WastePlant Tropic Indonesia



Reconnaissance

Strategic
Planning



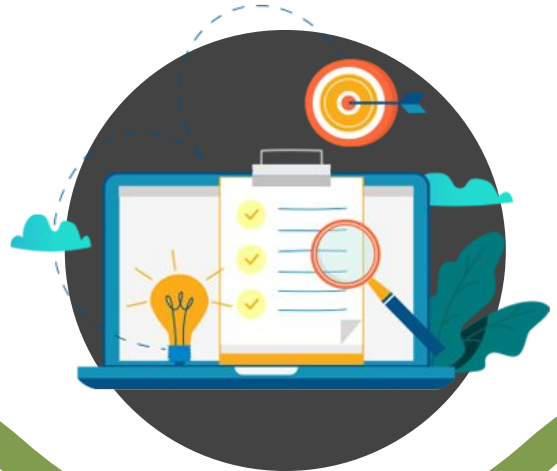
Training



Building



Monitoring



RECONNAISSANCE Assessment Week

Reconnaissance week is a very important stage to support all the data for making the planning of the construction and make the system work. The process takes 1 week then we will back to Bali to draft the planning around 2-3 weeks. Here is some activities during the reconnaissance week:

- **Mapping - Suitable Location**
- **Observing**
- **Data Collecting**
- **Identifying Issues**
- **Material Resourcing (bamboo, timber, & costing)**
- **Discussion, meeting with all parties including major players, builders & community**
- **Local project manager and training candidates assessment.**



Cost Estimation

- The cost that we proposed is based on our Pilot project in Palembang, South Sumatra. Every place can result different cost, can be cheaper or more expensive. So this cost is not fixed.
- The main cost for us is the consultancy fee for WPTI as we are service company. The building work from client side is very possible, based on the client costing consideration
- The material we used now is based on Andrew's design, which is design for future and last longer. If the client want different material for construction, also possible and of course based on Andrews suggestion.
- The labour or workforce also can be based on the client. Can use professional worker, or doing by the community around the area under Andrew's supervision to maintenance the quality.

MODULE 1

Estimation 25 Days working

Professional Fee:
Project Director

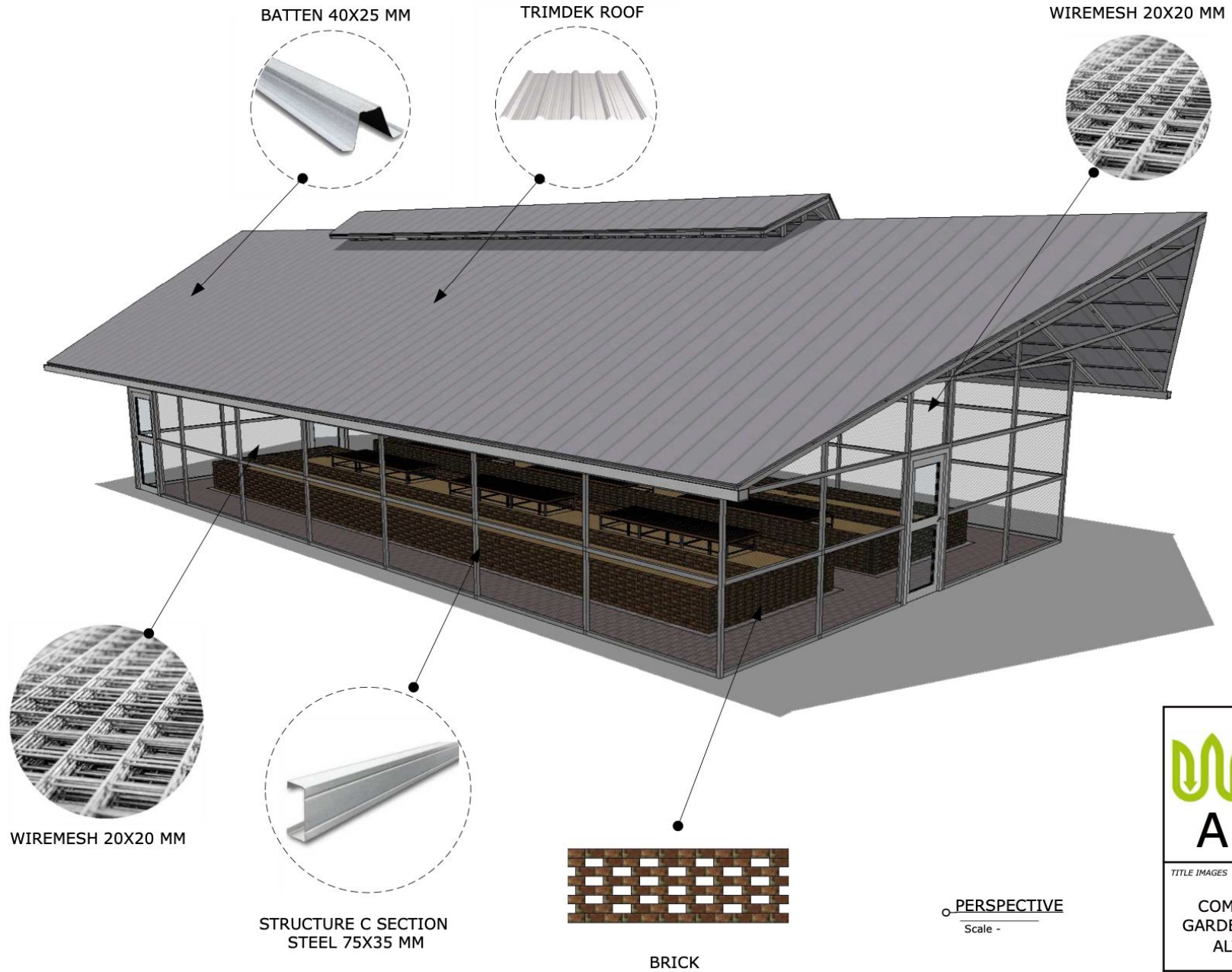
IDR	2,000,000	50,000,000
USD	135	3.375

Professional Fee:
Project Director Assistant

IDR	750,000	18,500,000
USD	50	1250

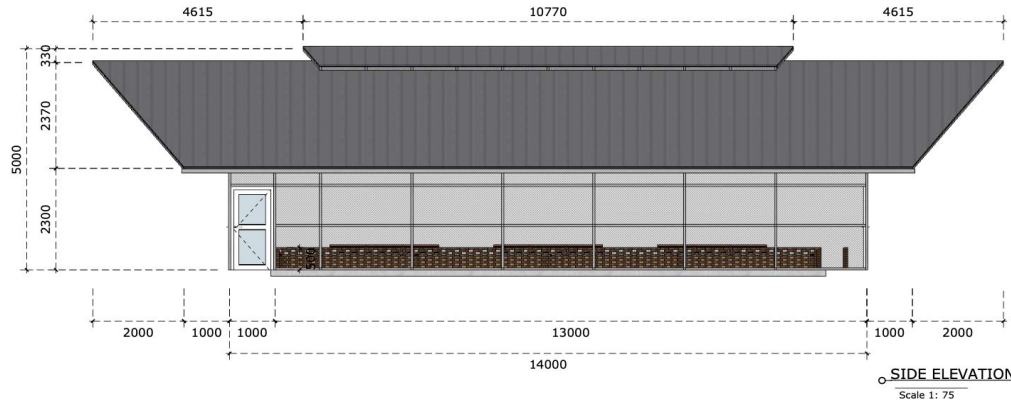
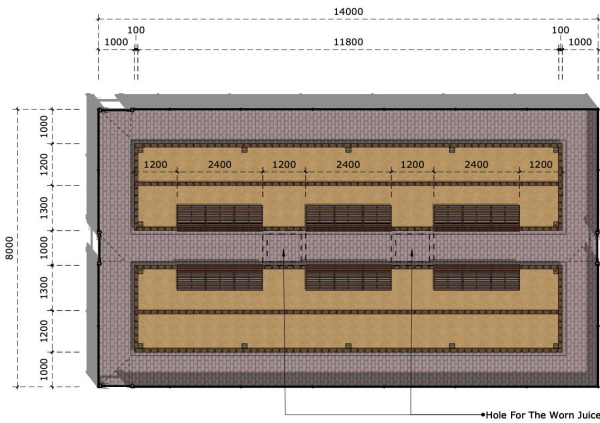
Operational Fees

- Accommodation, Local Transport and Airline ticket (if needed) are paid by the client.
- Cost may be different depend on the area.



PERSPECTIVE
Scale -

		
TITLE IMAGES		SCALE
COMPOST GARDENSHIP ALT 1		-
CODE	NUMBER	TOTAL
ARCH	5	15



6 Compost Boxes

Food Waste: 600 kg/week **31.2 Tons per year**

Estimate time of building: 4-6 weeks

Size 14 m x 8 m | Footprint 112 MSq.

BUDGET FOR MODULE 1

NO	ITEM	PRICE (USD)	NOTES
BUILDING COST			
1.	Building Material	11,590.36	Material need to built the system (steel frame, brick, roofing, etc
2.	Tools	2,443.10	Tools needed to built the facilities
3.	Vermicompost System & Probiotics	5,337.91	(breed the worm for compost system and 10 composting boxes)
4.	Storage & Water Tank	2,003.74	(storage system is necessary to store all the worm food & tools)
5.	Plants, Seedling & Organic Pesticides	837.83	(to make greenery around the facilities)
6.	Labour (builder/land surveyor/drafter)	4,461.96	

MODULE 2

Estimation 25 Days working

Professional Fee:
Project Director

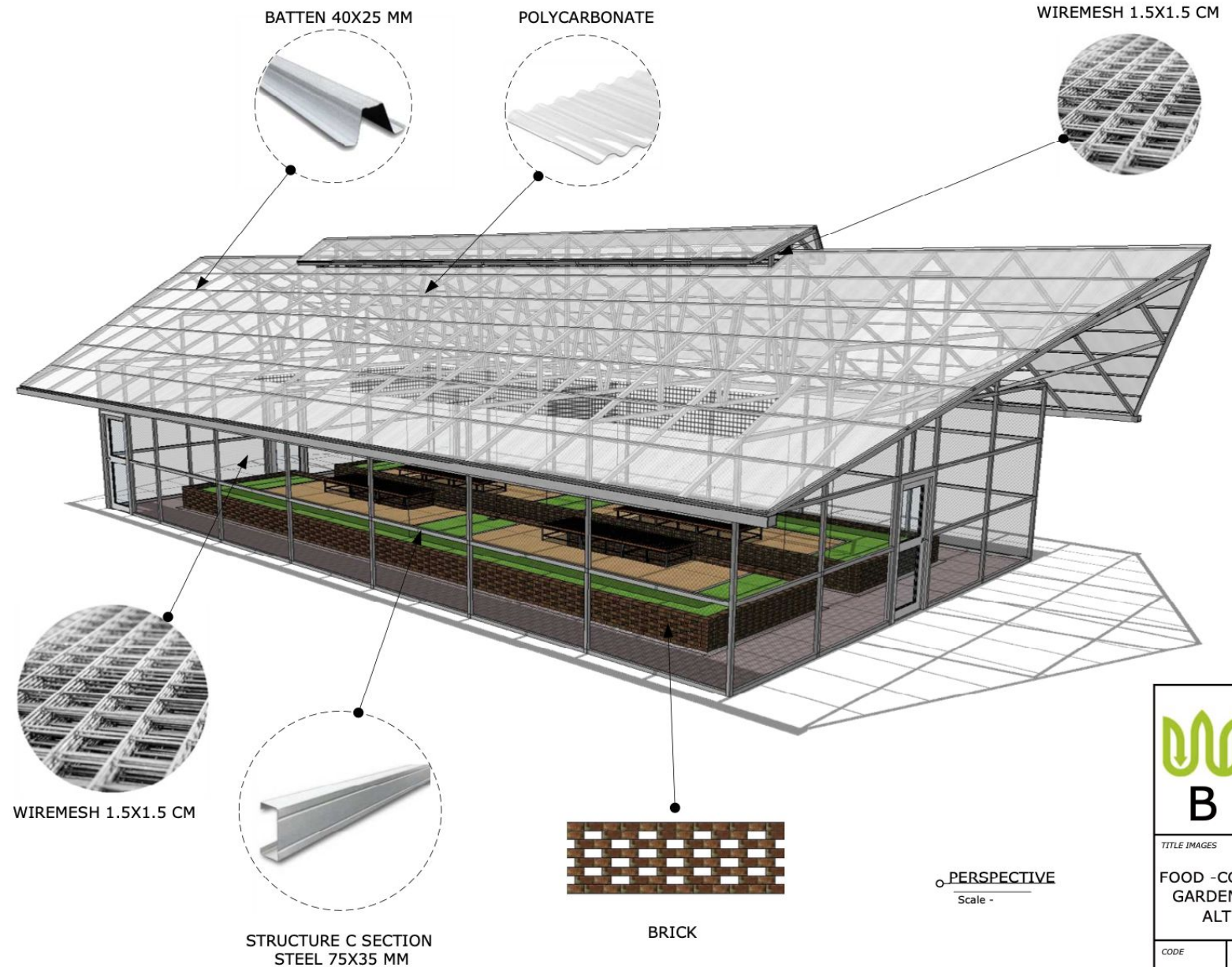
IDR	2,000,000	50,000,000
USD	135	3.375

Professional Fee:
Project Director Assistant

IDR	750,000	18,500,000
USD	50	1250

Operational Fees

- Accommodation, Local Transport and Airline ticket (if needed) are paid by the client.
- Cost may be different depend on the area.

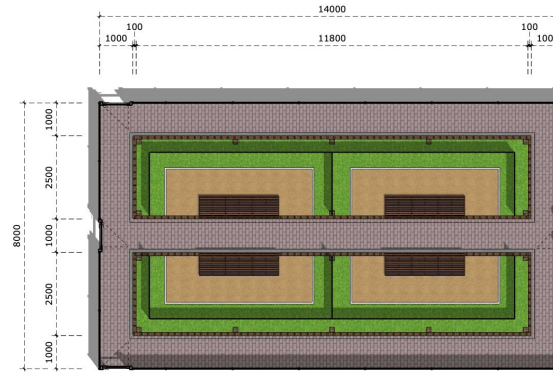
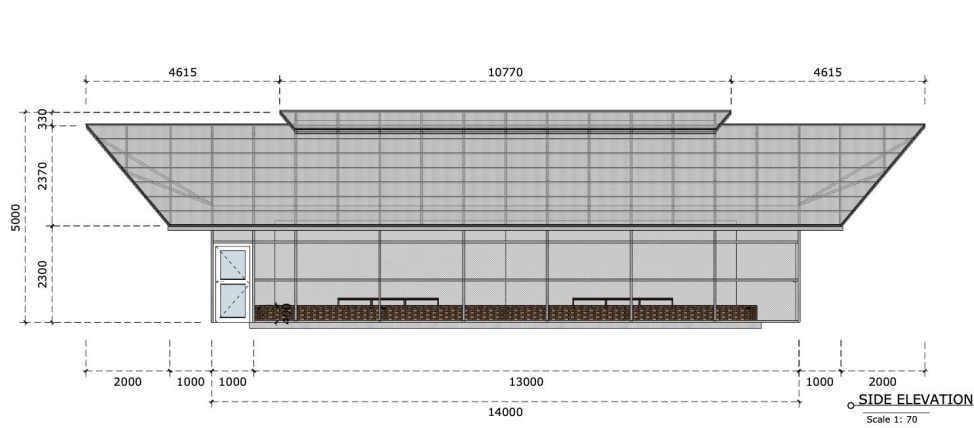


PERSPECTIVE
Scale -



TITLE IMAGES	SCALE
FOOD - COMPOST GARDENSHIP ALT 2	-

CODE	NUMBER	TOTAL
ARCH	10	15



Module 2

*Building Organic Soil,
Growing Organic Food*

4 Compost Boxes

Food Waste: 400 kg/week, **20.8 Tons per year**

Estimate time of building: 4-6 weeks

Size 14 m x 8 m | Footprint 112 MSq.

BUDGET FOR MODULE 2

NO	ITEM	PRICE (USD)	NOTES
BUILDING COST			
1.	Building Material	13,590.36	Material need to built the system (steel frame, brick, roofing, etc
2.	Tools	2,443.10	Tools needed to built the facilities
3.	Vermicompost System & Probiotics	3,337.91	(breed the worm for compost system and 10 composting boxes)
4.	Storage & Water Tank	2,003.74	(storage system is necessary to store all the worm food & tools)
5.	Plants, Seedling & Organic Pesticides	1,337.83	(us to start the garden, for future they can start making seed banks)
6.	Labour (builder/land surveyor/drafter)		

MODULE 3

Estimation 50 Days working

Professional Fee: Project Director

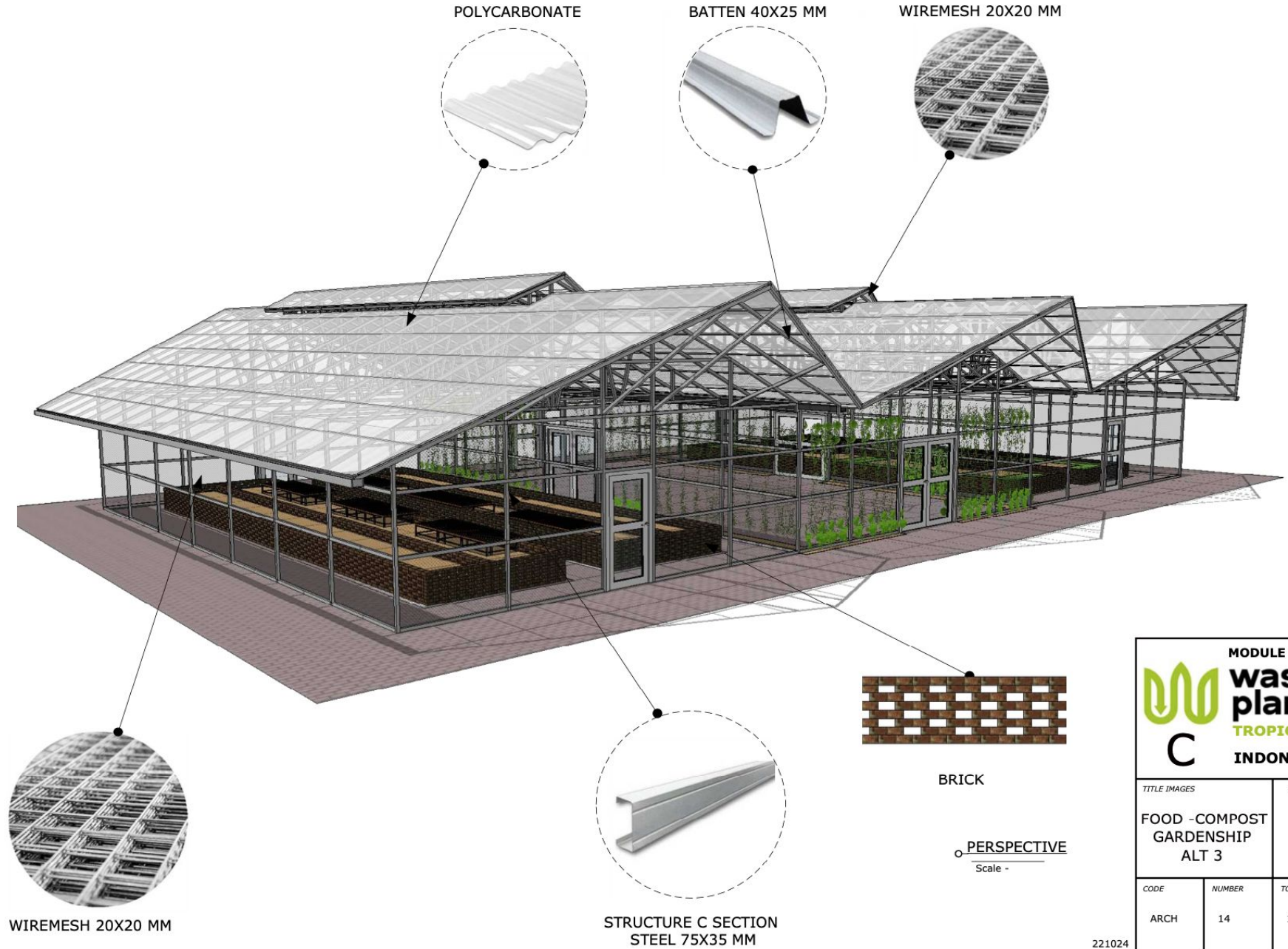
IDR	2,000,000	100,000,000
USD	135	6.750

Professional Fee: Project Director Assistant

IDR	750,000	37,500,000
USD	50	2.500

Operational Fees

- Accommodation, Local Transport and Airline ticket (if needed) are paid by the client.
- Cost may be different depend on the area.

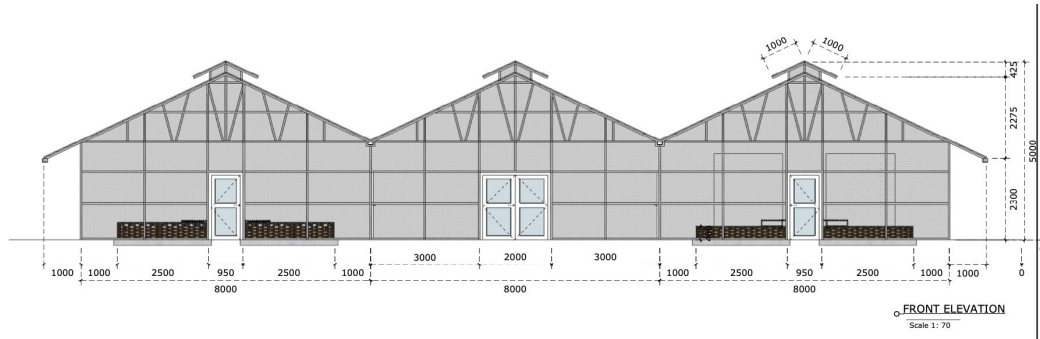
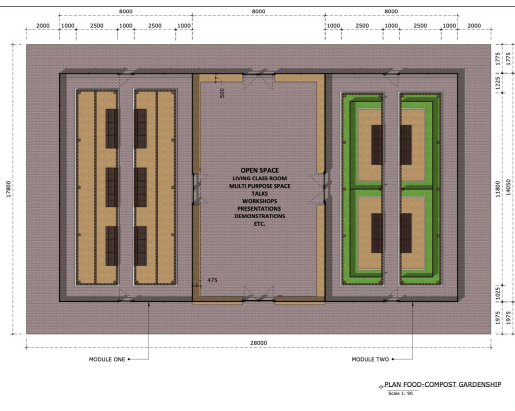


MODULE THREE

waste plant
TROPIC
INDONESIA

TITLE IMAGES		SCALE
FOOD - COMPOST GARDENSHIP ALT 3		-
CODE	NUMBER	TOTAL
ARCH	14	15

221024



Module 3

Building Organic Soil, Growing Organic Food & Create Community/Educational Space

8,10 or 12 Compost Boxes

Food Waste: 800,100,1200 kg per week **41.6**

Tons, 52 Tons, 62,4 tons per year

Size 18 m x 28 m | Footprint 504 MSq.

BUDGET FOR MODULE 3

NO	ITEM	PRICE (USD)	NOTES
BUILDING COST			
1.	Building Material	24,088.53	Material need to built the system (steel frame, brick, roofing, etc)
2.	Tools	3,677.68	Tools needed to built the facilities
3.	Vermicompost System & Probiotics	8,026.62	(breed the worm for compost system and 10 composting boxes)
4.	Storage & Water Tank	3,010.130	(storage system is necessary to store all the worm food & tools)
5.	Plants, Seedling & Organic Pesticides	1,337.83	(us to start the garden, for future they can start making seed banks)
6.	Workshop Room, Toilets & Electricity	6,016.56	(chair, desk, board, and equipment needed to do the study)
7.	Labour	7,461.96	(architect/builder/drafters/land surveyor)



Andrew Hayim De Vries

Founder, Inventor & Director of WastePlant Tropic Indonesia 2022

Designer, Inventor, Co-Founder, and Co-Director of Subpod 2018 to 2020 (subpod.com)

Ecological designer, project manager and public speaker, based in Ubud, Bali and consulting internationally. With over 40 years of experience in the home, garden, and integrated compost design, and having consulted commercially in these disciplines over the past decade. My passion is to bring a wealth of functional design and experience to every project.

[Listen to Andrew's journey](#)

JOB DESCRIPTION

- Oversee projects in Indonesia.
- Coordinate with management workforce.
- Coordinate with stakeholders.
- Document and share the work project build from start to finish.
- Train the management workforce.
- Create content for publicity and social media on a global scale.
- Work with all the relevant parties from public government, corporate, university presentation.
- Promote what waste plant is doing in Indonesia (simple innovation, inclusion and education) and to the global community in the area of waste diversion/solutions.
- Engage with the global community through social media, webinars, and conferences.



Arum Christina H

***Assistant to the Director of WastePlant
Tropic Indonesia 2022***

***Graphic Designer, photographer, program
manager, teacher & writer based in Bali.***

More than 15 years of experience in design and branding communication. For the past 10 years working with the community, institutions, and education for environmental projects and awareness.

JOB DESCRIPTION:

- Oversee the possibility projects in Indonesia.
- Communication bridge between the client and the Project Director
- Coordinate with stakeholders.
- Document and share the work project build from start to finish.
- Making the training module
- Create content for publicity and social media on a global scale.
- Liaison between project director with all the relevant parties from public government, corporate, university presentation.
- Promote what waste plant is doing in Indonesia (simple innovation, Inclusion and education) and to the global community in the area of waste diversion/solutions.
- Engage with the global community through social media, webinars, and conferences.
- Researching and compile the data to present to project director

Agreement & Condition

Andrew with his assistant needs to do a reconnaissance to travel to the location to assess and evaluate with client over a number of days and fees will occur

1. All waste plant tropic project to be registered by name, number, located, certified organic working with a local laboratory.
2. Wherever WastePlant tropic project made all over Indonesia, publicity & social media exposure stated the creation from Andrew Hayim De Vries from Wasteplant Tropic Indonesia.
3. Project will start after the deposit payment professional fee of minimum 50% from the total cost, the balance of payment will be paid on the given (day) the project finishes.
4. Project manager will be accessible to the needs for help and guidances to community where the project has been located and have been build for ongoing maintenance and assistance (fees will applies)
5. Andrews fee discounted amount is only valid until 31st of December 2022
6. Exit strategy for both parties (ongoing draft)

All Agreements and Conditions/Contracts will have a legal binding third-party contract.



**“Composting food waste
Rebuild Organic soil.
Growing Organic food.
Educate & connect people.”**

Andrew Hayim De Vries

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