



SEM 4 PROJECT 3

TAMAN UNIVERSITI, JB

BY KOK MING HUI

GROUP SESSION

SBEZ2435-01 URBAN LANDSCAPE DESIGN

Emotion Remedy
TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES

KEY PLAN

LOCATION PLAN

SITE PLAN

TARGET USERS

INTRODUCTION

SYNTHESIS

Prospect and Refuge

- Propose street plantings
- Propose well-defined spaces
- Propose pocket garden
- Propose green infrastructure

Personal Space and Social Space

- Propose pedestrian pathway
- Propose art street
- Propose street plantings
- Propose urban farming area
- Propose robustness universal spaces
- Propose safety and security features
- Propose cultural bazaar
- Propose aesthetic alley
- Propose social sport spaces

SWOT

Prospect and Refuge

- S-sufficient space to develop refuge area
- W-lack of comfortable refuge area for user
- O-potential to be a built up area
- T-

Personal Space and Social Space

- S-Strategic location which consists of broad spaces to be modified and improved.
- W-Lack of engagement community spaces for locals and visitors.
- O-Propose engagement spaces for the users to create the robustness community spaces.
- T-Sanitation issue of site needs to be improved to enhance the image of Taman Universiti.

Person Environment Fit

- Propose riparian buffer
- Propose green infrastructure
- Propose street plantings
- Propose urban farming area
- Propose pocket garden
- Propose greenery art
- Propose eco-shelter
- Propose eco-lampost

Potential map

- Enhance vegetation
- Median planting in spacious road
- Robustness space
- Redevelop area

Constraint map

- Poor pedestrian accessibility
- Lack of engagement community spaces
- Sanitation issue
- Safety issue due to abandoned alley
- Poor green connectivity
- Lack of awareness on inheriting culture

Educational Corner

Increase the local's awareness and spread the knowledge to the visitors to conserve the cultural events and appreciate the history of Taman Universiti.

Sense of Safety and Security

Increase quality of life by enhancing sense of safety and security such as propose lighting, clear wayfinding signage, visible entrances and exits.

Economic Growth

Increase the economic growth by designing inviting and well-defined public spaces such as plazas, and gathering places along with promoting iconic street food that reflects local culture.

Connectivity and Accessibility

Create more users friendly accessible pathway by providing comfortable and smooth pedestrian pathway in commercial area and along the riverside.

Overall Synthesis

Enhance Vegetation

Enhance and increase greenery area beside the roadside and industrial area to lower the temperature, also create riparian buffer to protect the river.

Space Enhancement

Utilize the spaces to become robustness personal and social community spaces for users such as propose multifunctional areas.

Human-comforted Infrastructure

Provide shading and street furniture in order to achieve human thermal comfort and integrate green infrastructure into existing building-eco green roof to regulate the surrounding temperature.

Connectivity and Accessibility

Create more users friendly accessible pathway by providing comfortable and smooth pedestrian pathway in commercial area and along the riverside.

1

In project 3, we are focusing on providing an ideal psychological environment for the local residents and visitors. We are going to resolve the issue in Taman Universiti and enhance the quality of life to improve the sense of place. There are three main theories applied in the project which are prospect and refuge, personal space and social space as well as person environment fit.

SBEZ2435-01 URBAN LANDSCAPE DESIGN

Emotion Remedy
TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES

GOAL

To redevelop Taman U in order to achieve an ideal urban environment that promotes psychological well-being and environmental harmony.

ISSUE

Lack of social desire development

OBJECTIVES

- To create a seamless connectivity throughout Taman U
- To enhance engagement within the community and city environment
- To create multicultural diversity hub and arise awareness among community

APPROACH AND STRATEGIES

Concept Philosophy

Qualities Of Life

aims to capture the well-being, whether of a population or individual, regarding both positive and negative elements within the entirety of their existence at a specific point in time.

Emotion

: a strong feeling deriving from one's circumstances, mood, or relationships with others.

Motion

: the action or process of moving or being moved.

Remedy

: a medicine or treatment for a disease or injury

FUNCTIONAL DIAGRAM

CONCEPTUAL MAP

SUSTAINABLE DEVELOPMENT GOALS

- 3 GOOD HEALTH AND WELL-BEING
- 8 DECENT WORK AND ECONOMIC GROWTH
- 11 SUSTAINABLE CITIES AND COMMUNITIES
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 15 LIFE ON LAND

LEGEND

- Happiness
- Ambition
- Excitement
- Sociability
- Remedy
- Motion
- Entrances
- Accessibility

1

2

To achieve our goal and objectives, the concept that we proposed is Emotion Remedy. Since the landscape design is related closely to the perception of people, a remedy place that provide different emotional experiences can enhance the sense of belonging among the public. For instance, happiness, ambition, excitement, and sociability.

SBEZ2435-01
URBAN
LANDSCAPE
DESIGN

EMOTION REMEDY
TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES

ICON

SCHEMATIC PLAN

SPACES

- Eco-Shelter
- Bicycle Track
- Cyclist Parking
- Playground
- Pedestrian Bridge
- Eco-Trails
- Exercise Area
- Pocket Park
- Multi-sport Game Court
- Rooftop Garden
- Multistorey Parking
- Rain Garden
- Art Street
- Bazaar
- Hawker Center
- Green Roof
- Robustness
- Multifunctional Spaces
- Median Plantings

ACTIVITIES

- Cycling
- Zebra crossing
- Urban Farming
- Pedestrian bridge
- Sport and recreation
- Festival/ Celebration

Not to Scale

HARDSCAPE CONCEPT

HEAL-LINK TOUR

This concept represent that the hardscape elements at Taman Universiti. Heal-Link (Healing) Tour one of the concept can attract people to visit Taman Universiti because of there a lot of cafe and restaurant at Taman Universiti and it very easy access for the users along with the greenish that can help the users to feel the trenoquility when they explore the area with using the hardscape elements.

HEAL — **LINK** — **TOUR**

To make or become healthy
To join or connect Taman Universiti with another place like UTM
The road that separate with two type which is for vehicle and also the cycling track and this give a smooth circulation for the users

HARDSCAPE PALLATE

REST_MOTION ZONE

COMMERC_MOTION ZONE

IN_MOTION ZONE

EDU_MOTION ZONE

Propose hardscape :

The multifunctional pit stop for the users for use motorcycle or bicycles while during rainy

3

No	Symbol	Hardscape Name	Materials
1		Bench	Wood Plastic Composite
2		Lampost	Aluminium LED
3		Bollard	Extruded Aluminium
4		Pavers	Molded Clay
5		Fence	Stainless Steel
6		Eco-Shelter	Solar Panel, Aluminium
7		Aesthetic Lighting	LED
8		Pedestrian Bridge	Concrete
9		Bicycle lane	Asphalt, Colour
10		Concrete Seating	Concrete

No	Symbol	Hardscape Name	Materials
11		Flower Pot	Ceramic
12		LED Pergola	Composite Lumber, LED
13		Decking	Composite Lumber
14		River Bridge	Aluminium
15		Washing Area	Ceramic
16		Information Kiosk	Galvanised steels
17		Bicycle Shelter	Stainless Steel
18		Recycle Waste Bin	Composite Plastic
19		Vendine Machine	Composite Plastic Machining
20		Shelter	Composite Lumber
21		Gateway	Concrete

SBEZ2435-01
URBAN
LANDSCAPE
DESIGN

EMOTION REMEDY
TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES

SOFTSCAPE CONCEPT

HARMONY HAVEN: A THERAPEUTIC OASIS

This concept name implies that the softscape environment was created specifically to encourage good mental health and produce a calming environment. It implies that people interacting with this softscape will sense peace, solace, and rejuvenation, fostering a link between nature and psychological well-being.

HARMONY : **HAVEN** : **A THERAPEUTIC OASIS**

Balance and peacefulness
A safe and nurturing environment

- Emphasizes the focus on psychological well-being and the healing properties of the softscape design
- Draws inspiration from the concept of an oasis, which typically represents a lush and refreshing sanctuary in the middle of a barren desert.

SOFTSCAPE PALLETE

TREES
Not to Scale

SHRUBS
Not to Scale

SOFTSCAPE SELECTION

REST_ZONE ZONE

IN_MOTION ZONE

COMMERC_MOTION ZONE

EDU_MOTION ZONE

COMMERCE_MOTION ZONE

4

To support our concept (EMOTION REMEDY), we also applied hardscape and softscape based on the function in four different zones to enhance the connectivity and achieve human comfort level. The relevant concepts are proposed in our proposal which are Heal-link Tour and Harmony Haven: A Therapeutic Oasis.

SBEZ2435-01
URBAN
LANDSCAPE
DESIGN



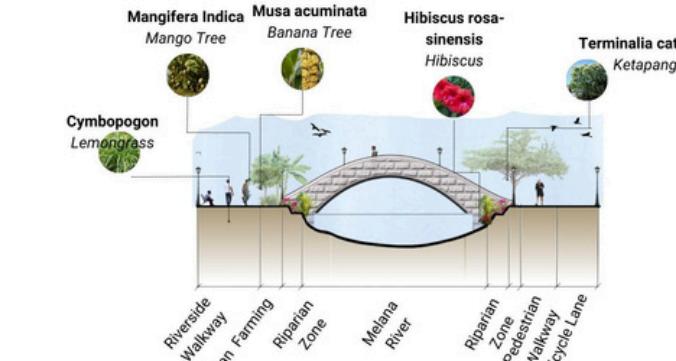
AARYANNA ADRIAN LAJINGAH (A21BE0001) | KOK MING HUI (A21BE0373) | NURIN IRDINA (A21BE0265) | ALIF (A21BE0144) | AFI FAUZAN (A21BE0162) | NUR NABILA AFIAH (A21BE0251) | LAU JIA QI (A21BE0119) | MAWADDAH (B22BE0284) | NURAIMA HANI (A21BE0258)

SEMESTER 2 SESSION 2022/2023 | PROF. HASANUDDIN BIN LAMIT | DR. ROHANA BINTI MOHD FIRDAUS

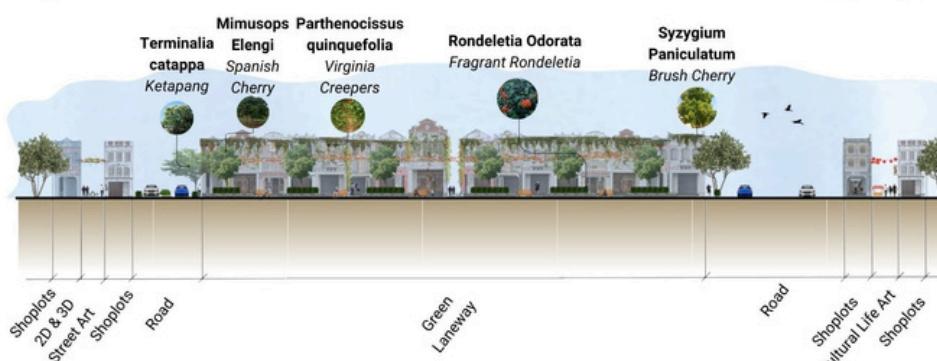
EMOTION REMEDY

TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY ; ENVIRONMENTAL PSYCHOLOGICAL THEORIES

Section A-A
Scale 1:100



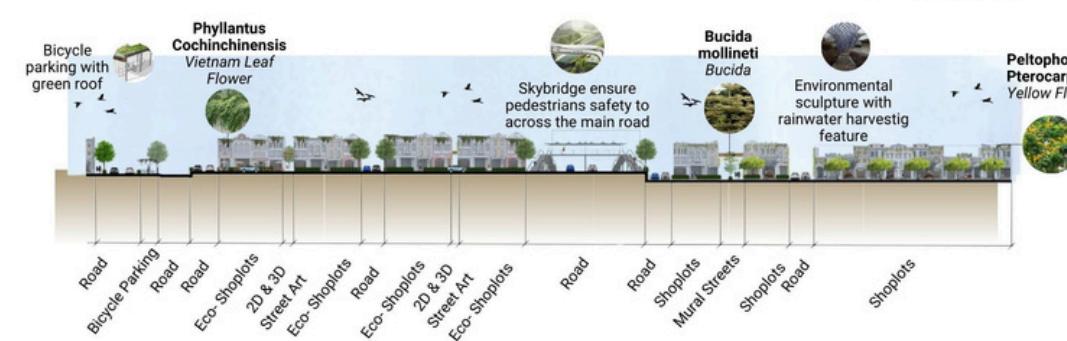
Section B-B
Scale 1:350



Section C-C
Scale 1:250



Section D-D
Scale 1:450



SBEZ2435-01
URBAN
LANDSCAPE
DESIGN



AARYANNA ADRIAN LAJINGAH (A21BE0001) | KOK MING HUI (A21BE0373) | NURIN IRDINA (A21BE0265) | ALIF (A21BE0144) | AFI FAUZAN (A21BE0162) | NUR NABILA AFIAH (A21BE0251) | LAU JIA QI (A21BE0119) | MAWADDAH (B22BE0284) | NURAIMA HANI (A21BE0258)

SEMESTER 2 SESSION 2022/2023 | PROF. HASANUDDIN BIN LAMIT | DR. ROHANA BINTI MOHD FIRDAUS

EMOTION REMEDY

TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY ; ENVIRONMENTAL PSYCHOLOGICAL THEORIES

Section E-E
Scale 1:100



SKETCHES



INDIVIDUAL SESSION



My detail plan is focusing on the pasar awam in Taman Universiti. To extend the group concept, the concept of my detail plan is E-ureka Remedy. In my plan, I would like to propose a remedy place that expresses happiness to the users.

SBEZ2435-01 URBAN LANDSCAPE DESIGN KOK MING HUI (A21BE0373) SEMESTER 2 SESSION 2022/2023 | PROF. HASANUDDIN BIN LAMIT | DR. ROHANA BINTI MOHD FIRDAUS

EMOTION REMEDY: EUREKA REMEDY TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES

Project Brief
Located in Johor, one of the suburbs of Iskandar Puteri with an overall concept is 'Emotion Remedy'. The name of Taman Universiti is inspired by Universiti Teknologi Malaysia (UTM). Taman Universiti is important as it is the transition center for Taman Mutiara Rini and Old Pontian Highway. Taman Universiti offers commercial activities, residents' areas and institution opportunities. Taman Universiti encompasses an area of 1,080 acres and consists of a university, shopping mall, residential area as well as variety types of shops and stores.

Key Plan
Located in Johor, Malaysia.

Site Plan : Pasar Awam
A detailed site plan of the Pasar Awam area within Taman Universiti, showing its layout and surroundings.

Location Plan
Post code: 81300 Located in Skudai, Johor Bahru

SWOT
Strengths: High exposure location.
Weaknesses: Lack of greenery.
Opportunities: Potential to redesign engagement spaces.
Threats: Sanitation issue.

Design Goal
To redesign Pasar Awam in Taman Universiti in order to enhance a psychological social-friendly environment that promote socially engagement and environmental comfort.

Site's Issue
1. Lack of recreational community engagement spaces.
2. Lack of green infrastructure.

Design Concept
E-UREKA Remedy
Eureka remedy is a remedy (recharging method) about activities that bring happiness and comfort such as eating happiness, social interaction happiness, greenery comfort and environment comfort.

Concept Philosophy
E: Represent 'Emotion', showing the design of detailed plan including strong feeling of individual such as sense of place, happiness, excitement and sociability.
U: Universal design for mostly social communities such as different ethnic and, different ages community.
U: Express the happiness emotion due to external comfort environment that fulfill the feeling of users.
Eureka Remedy
A remedy environment improve or 'treat' the community in term of physically and mentally.

Approach and Strategies
Universal environment designs are suitable for most users and social communities. The universal environment can be visited and accessed by mostly the community. The design is users' friendly as well as providing functional spaces for users. The environment practices a therapeutic atmosphere by proposing engagement spaces and enhancing green infrastructure including greenery spaces.

Universal Environment Design
Social Cohesion and Connection, Green Infrastructure.

01 Space Programming
SDG
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
11. Sustainable Cities and Communities
13. Climate Action

Green Infrastructure area
Eco-spaces, Eco-green roof hub, Eco-shelter, Eco-recycle areas, Re-Rain Garden, Re-Fragrant Garden, Re-Bamboo Garden, Re-Zen Garden, Jute pavement area, Seating area, Greener spaces.

02 Functional Diagrams
Social Zone: Eco-shelter, Commercial Area, Malay Hawker Center.

Green Infrastructure Zone: Eco-green roof, Eco-shelter, Eco-recycle areas, Re-Rain Garden, Re-Fragrant Garden, Re-Bamboo Garden, Re-Zen Garden, Jute pavement area, Seating area, Greener spaces.

Daytime Activities: Commercial Area, Gardens, Parking Area.

Nighttime Activities: Malay Hawker Center, Gardens, Parking Area.

Daytime Circulation: Vehicle Circulation, Pedestrian Circulation.

Nighttime Circulation: Vehicle Circulation, Pedestrian Circulation.

Schematic Plan
Icons:
Spaces: Eco-Shelter, Eco-Green Roof, Eco-Information Board, Eco-recycling area, Robustness Multifunctional Spaces, Malay Hawker Center (Night), Re-rain Garden, Re-Fragrant Garden, Re-Bamboo Garden, Re-Zen Garden.
Activities: Eating, Sitting, Commercial, Jogging.

Softscape
Eu-oasis
Eu means well, good or true. In softscape, Eu is defined by using a suitable softscape on the site based on site condition.
• Fragrant Plantings
• Aesthetic Use
• Low Carbon Shading Plantings

Hardscape
Eu-niversal
In hardscape, Eu defines the sustainable hardscape used in the plan.
• Sustainable Design (Pavement)
• Sustainable Design (Eco-facilities)
• Users-friendly

NO	SYM	SCIENTIFIC NAME	COMMON NAME	NOS	NOTE
1		Bambusa Vulgaris	Common Bamboo	17	Shading P.
2		Andira Inermis	Brown Heart	39	Shading P.
3		Syzygium Paniculatum	Brush Cherry	24	Shading P.
4		Peltophorum Pterocarpum	Yellow Frame Tree	8	Shading P.
5		Tabebuia Rosea	Trumpet Tree	25	Aesthetic
6		Plumeria 'Bali Hai Gold'	Yellow Frangipani	3	Aesthetic
7		Plumeria Rubra	Red Frangipani	5	Aesthetic
8		Plumeria Obtusa	White Frangipani	9	Aesthetic
9		Bougainvillea Glabra	Paper Flower	6	Aesthetic
10		Cananga Odorata	Ylang-ylang	6	Aesthetic
11		Pollanthes Tuberosa	Agave Americana	48	Fragrant P.
12		Jasminum Officinale	Common Jasmine	46	Fragrant P.
13		Ephippium Aureum	Devil's Ivy	-	Green Curtain
14		Zoysia Tenuifolia	Zoysia	-	Lawn
15		Chlorophytum Topiarius	Spider Plant	-	Rain Garden
16		Strelitzia	Bird of Paradise Flower	-	Rain Garden
17		Helianthus Annuus	Common Sunflower	-	Rain Garden
18		Cyperus Papyrus	Paper Reed Plant	-	Rain Garden

NO	SYM	REF/IMAGE	HARDSCAPE NAME	MATERIALS	NOS	NOTE
1		-	Jute Pavement	Jute fiber, Bitumen	-	Sustainable D.
2		-	Pavement	Brick	-	Sustainable D.
3		-	Road	Asphalt	-	Sustainable D.
4		-	Re-Bamboo Garden's Pavement	Stone, Tiles	-	Sustainable D.
5		-	Pedestrian Pathway	Small Stone	-	Sustainable D.
6		-	Garden Pathway	Timber	-	Sustainable D.
7		-	Eco-shelter	Stainless Steel	5	Sustainable D.
8		-	Eco-bridge	Bamboo	1	Sustainable D.
9		-	Bamboo Shield	Bamboo	4	Sustainable D.
10		-	Lighting	Coated Steel	9	Users-friendly
11		-	Bollard	Stainless Steel	26	Users-friendly
12		-	Benches	Timber	33	Users-friendly
13		-	Table	Stone	1	Users-friendly
14		-	Foldable Flower Chair	Recycled Plastic, Coated Steel	5	Users-friendly
15		-	Movable Chairs and Tables	Aluminum	-	For night hawker center

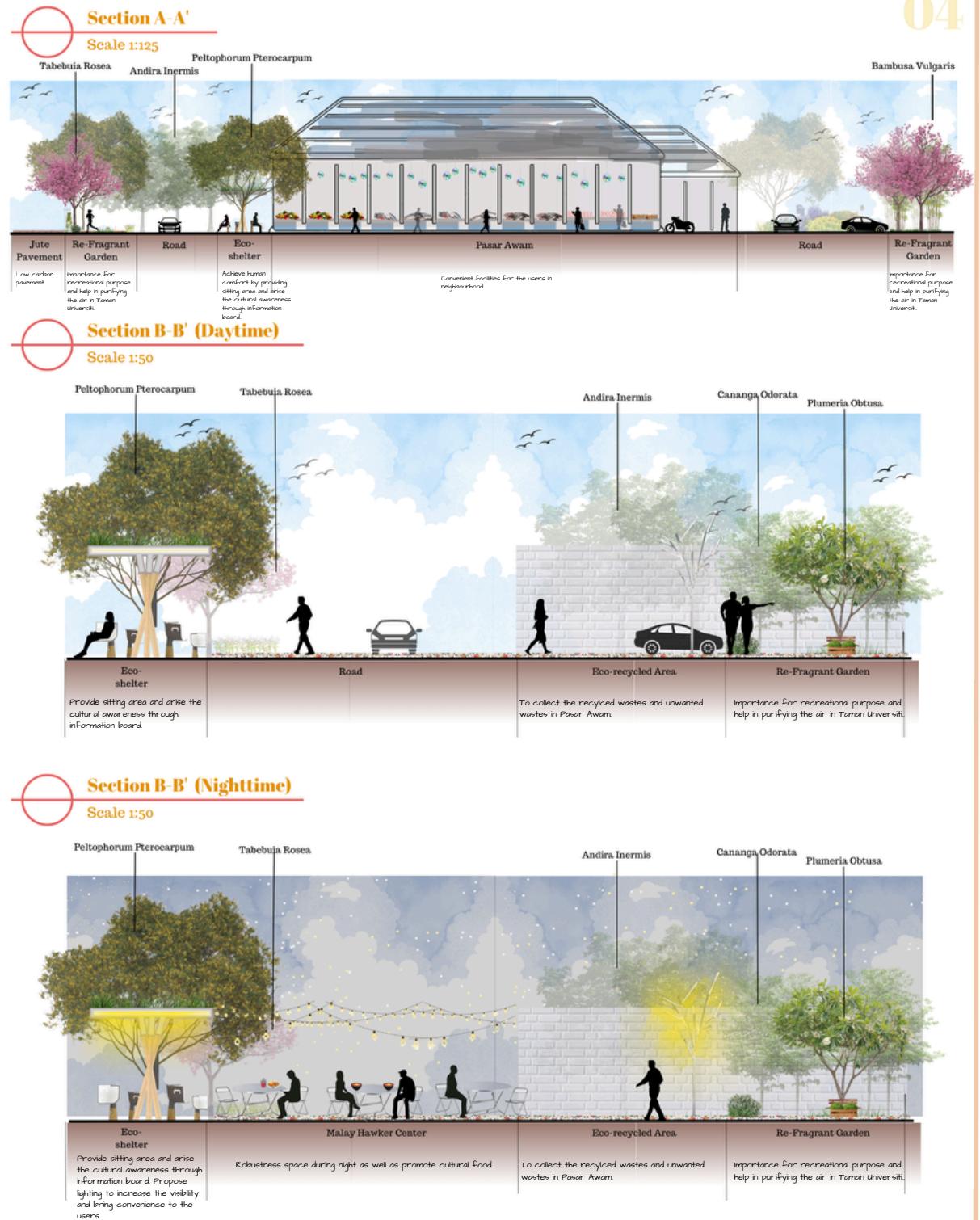


EMOTION REMEDY: EUREKA REMEDY

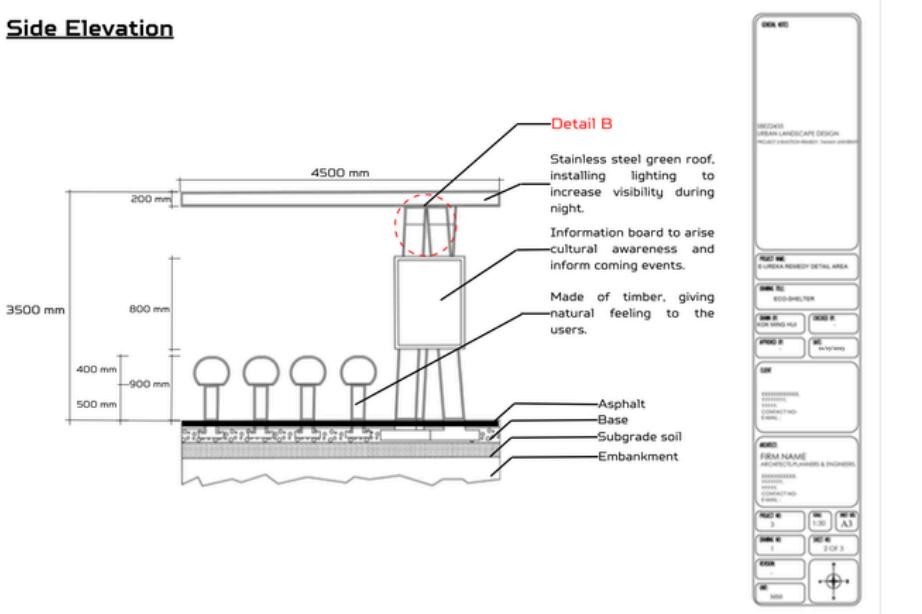
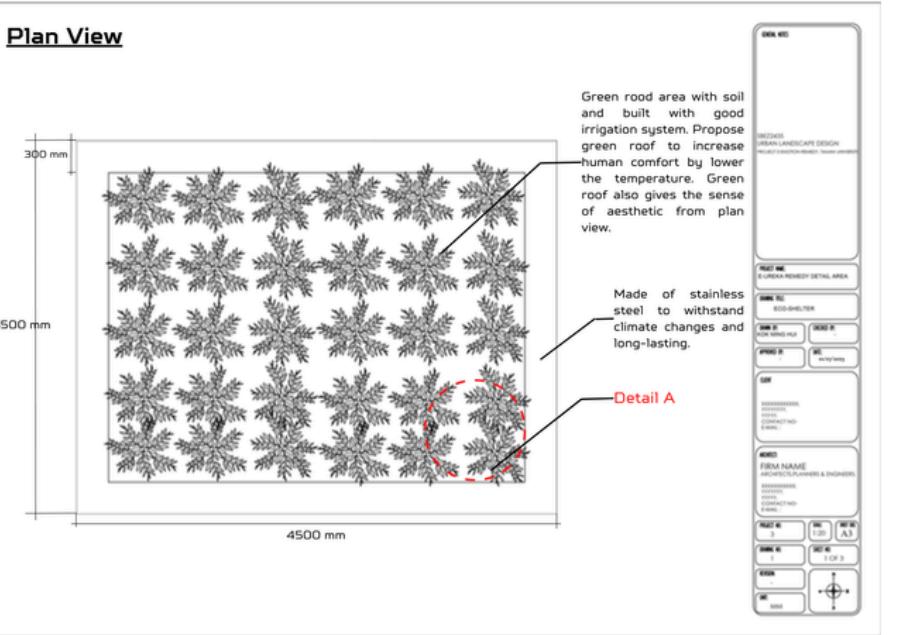
TAMAN U, SKUDAI JOHOR : A PLACE FOR URBAN COMMUNITY : ENVIRONMENTAL PSYCHOLOGICAL THEORIES



A therapeutic urban landscape that integrates ecological design and sensory experiences to enhance emotional well-being and community interaction in a public market environment.



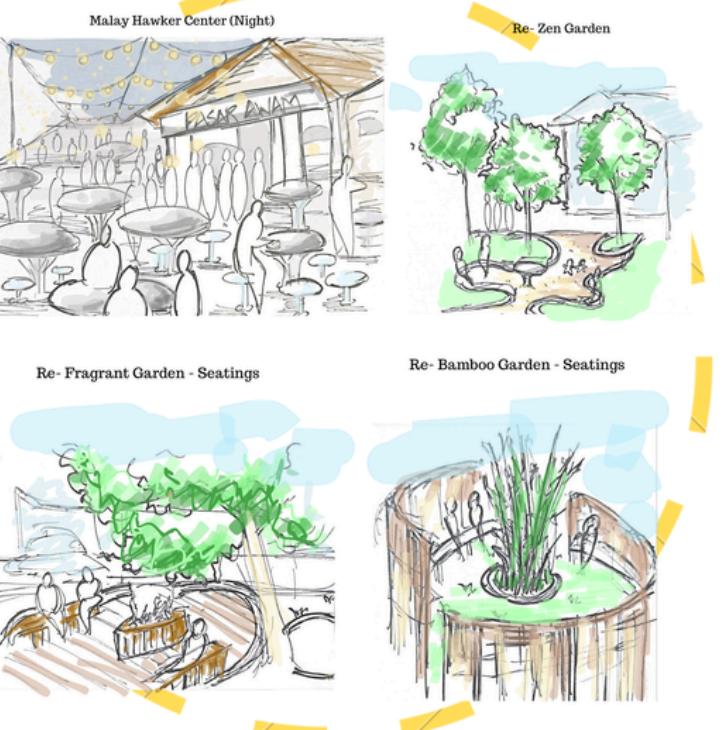
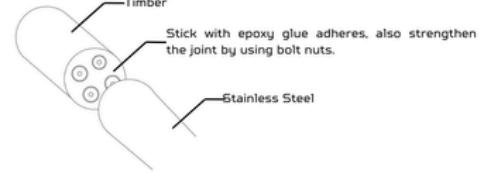
Construction Drawing



Detail A : Green Roof



Detail B : Connection Between Timber And Stainless Steel



In section, I would like to show the differences between day time and night time.

Showing the construction drawing of eco-shelter and details through sketches.