Urban Farming in Community Planning
2:00pm – 2:45pm

**Skyrise Building Design Perspective:**

**Creating and Managing Urban Farm for Highrise Buildings**

Firdaus Yeong (Forac Alam)
Introduction – why highrise?

How to create URBAN FARM

Managing URBAN FARM

Obstacles / Pitfall
INTRODUCTION

VEGE PRICE
(AFFORDABLE)

CHEMICALS
(HEALTH)
AFFORDABLE HEALTHCARE
GROW IT YOURSELF
INTRODUCTION
INTRODUCTION

Every school should have an organic garden that is maintained by a gardening class, while the food grown is used to feed the students.
Cooking and Gardening should be mandatory classes in school
URBAN FARM

1. SAVING MONEY
2. HEALTHY FOOD
3. EDUCATIONAL
4. FAMILY ACTIVITIES
5. WORKOUT

WE NEED TO EDUCATE OUR KIDS ABOUT FOOD. IT IS NOT PULLED OUT
OF THE GROUND, PRE-PEELED, CHOPPED,
AND WRAPPED IN PLASTIC. SHOW THEM
REAL FOOD, IN ITS WHOLE STATE,
AND TEACH THEM HOW TO PREPARE IT.
URBAN FARM AT HIGHRISE

1. SAVING MONEY
2. HEALTHY FOOD
3. EDUCATIONAL
4. FAMILY ACTIVITIES
5. WORKOUT

WHY HIGHRISE ???

6. ALMOST PEST-FREE

ORGANIC PRODUCE
HOW TO CREATE URBAN FARM

Sharing our experience – Twin Arkz Bukit Jalil
HOW TO CREATE URBAN FARM

... THAT LASTS ???

Mindset
HOW TO CREATE URBAN FARM

... THAT LASTS ???
CREATING URBAN FARM

Typical Kitchen Garden
CREATING URBAN FARM

Typical Kitchen Garden

- Murraya koenigii
- Orthosiphon aristatus 'purple'
- Curcuma zedoaria
- Cymbopogon citratus
- Metha spicata
- Pandanus amarylifolius
- Centella asiatica
- PLANTER BOX
  H: 450MM
- Phyllanthus myrtifolius
CREATING URBAN FARM
Typical Kitchen Garden
CREATING URBAN FARM
CREATING URBAN FARM

High-up levels – pest-free, stairs

Components
- soilmix - crucial
- mini planters
- bricks / wooden plank
- aggregates
- black soil on top
- water taps
- rubbish bins
- benches

Species – fruits, vege
- heights, climbers,
- colors, flowers
CREATING URBAN FARM
CREATING URBAN FARM
CREATING URBAN FARM
HOW TO MANAGE

When WORK = FUN
HOW TO MANAGE

Under landscaper work scope

- Weeding – hardly
- Till soil bed – hardly
- Pruning – hardly
- Watering –
- Harvest – very frequently

Strictly no pesticide or inorganic fertilizer

Changing species

Recording performance of species

Luring residents to participate
HOW TO MANAGE
PITFALL

- Wrong method of harvesting
- Seeding stage - Planter looks empty
- Species of tuberous roots – less tasty
- Inorganic fertilizer – smell
- A place of its own
PITFALL – HARVESTING METHOD
PITFALL – HARVESTING METHOD
PITFALL – HARVESTING METHOD
PITFALL – SEEDING STAGE
Certain species of tuberous roots

Smelly fertiliser
PITFALL
DANGER OF MIXING SPECIES
Thank you