

RESILIENT CITY with

SOMBERE & SMART CITY

MOH. RAMDHAN POMANTO, *Mayor of Makassar*

10th World Water Forum - Bali

CITY OF MAKASSAR



THE POSITIONING

- 1** 75 MINUTES FROM BALI, 45 MINUTES FROM NUSANTARA (THE NEW CAPITAL)
- 2** CENTERPOINT OF INDONESIA
- 3** THE BIGGEST CITY IN EASTERN INDONESIA
- 4** THE HIGHEST ECONOMIC GROWTH IN INDONESIA
- 5** HOME TOWN OF INDONESIAN LEADERS



EXISTING CONDITION

ISLANDS

- 12 MAKASSAR ISLANDS
- SEA LEVEL RISE : 114 CM (2050)
- ABRATION
- PLASTIC WASTE POLLUTION
- HIGH POPULATION
- LIMITED ACCESS TO CLEAN WATER

LOSARI COASTAL LINE

- DOWNTOWN OF MAKASSAR
- SEA LEVEL RISE : 114 CM (2050)
- ABRATION
- HIGH PLASTIC WASTE POLLUTION

JE'NE BERANG RIVER

- CATCHMENT AREA 860 KM2
- LOW SEDIMENTATION
- FLOOD RISKS
- HISTORICAL RIVER
- LOCAL WATER TRANSPORT

TALLO RIVER

- CREEK
- CATCHMENT AREA 432 KM2
- HIGH SEDIMENTATION
- ROB RISKS
- HISTORICAL RIVER
- LOCAL WATER TRANSPORT
- SLUMP AREAS

LAKKANG DELTA

- SEA LEVEL RISE : 114 CM (2050)
- ABRATION
- PLASTIC WASTE

TANJUNG BUNGA LONG STORAGE

- MAIN SOURCE OF WATER

THE VISION

ACCELERATING MAKASSAR AS
A WORLD CLASS CITY WITH
SOMBERE' & SMART SOLUTIONS
TO DELIVER STRONG IMMUNITY (**RESILIENCE**) FOR ALL

THE MISSION



THE REVOLUTION OF HUMAN RESOURCE QUALITY AND BUREAUCRACY REFORMATION IN CREATING WORLD CLASS PUBLIC SERVICES, CLEAR FROM CORRUPTIVE INDICATION



THE RECONSTRUCTION OF PUBLIC HEALTH, SOCIO-ECONOMIC AND CULTURAL LIVES IN CREATING PROSPEROUS SOCIETY



THE RESTORATION OF CITY SPATIAL DEVELOPMENT IN CREATING INCLUSIVE AND LIVABLE CITY WITH SOMBERE' AND SMART CITY

5 ECOSYSTEM OF MAKASSAR RESILIENT CITY



ECOSYSTEM

1 SOMBERE & SMART CITY

PHILOSOPHY

SOMBERE'
THE GREAT HOSPITALITY
THE GREAT HUMBLE
THE GREAT BROTHERHOOD
& **SMART CITY**



SMART CITY IS ABOUT **HARDWARE** AND **SOFTWARE**,
SOMBERE' IS ABOUT **HEARTWARE**



SMART CITY WILL MAKE ALL
THE CITIES BE **EQUAL**,
SOMBERE' WILL MAKE THE
STRONG CITY CHARACTER



SMART CITY IS THE **TECHNOLOGY**,
SOMBERE' IS THE **CULTURE**



SMART CITY AND SOMBERE'
BOTH ARE PROSPECTIVE FOR
BUSINESSES AND **INVESTMENTS**



SMART CITY AND SOMBERE'
BOTH WILL CONNECT
HEART AND **MIND** OF PEOPLE

ECOSYSTEM

1 SOMBERE & SMART CITY

KEYWORD



SOMBERE' & SMART CITY IS

**WHEN
HIGH TOUCH
MEETS
HIGH TECH**

WHY MAKASSAR NEEDS SOMBERE & SMART CITY?

TO DRIVE

22,800

EMPLOYEES

TO SERVICE

1,432,189

CITIZENS

TO MANAGE

51

CITY DEPARTMENT

TO IMPLEMENT

1 VISION, 3 MISSION, 24 STRATEGIC PROGRAMS, 100 INNOVATION

VISIONS

TO CONTROL AREA OF

175,77 KM²

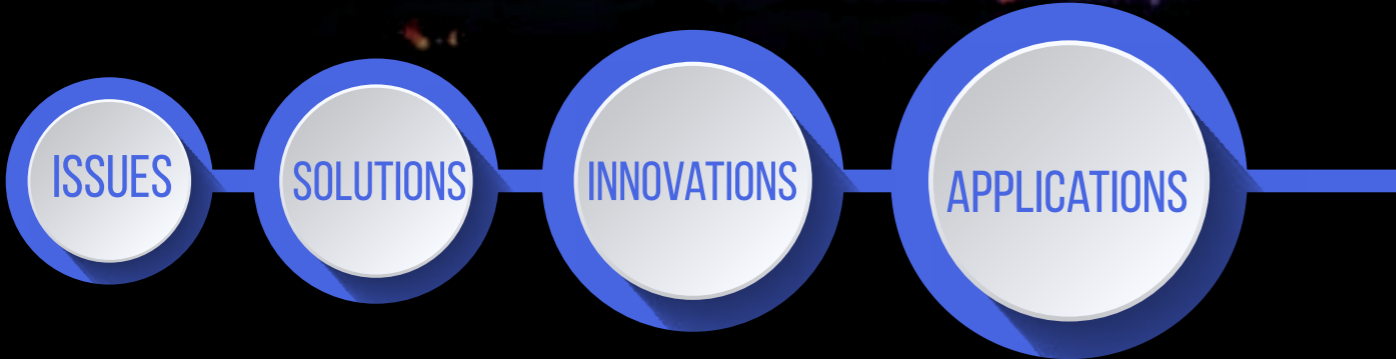
TO CREATE MAKASSAR QUALITY OF LIFE



ECOSYSTEM

1 SOMBERE & SMART CITY

STRATEGY



1 TO GENERATE
PUBLIC
ENGAGEMENT

2 TO CONVINCE
PUBLIC
ACCEPTANCE

3 TO GET
BIG
DATA

4 TO IMPLEMENT
SMART
SOLUTIONS

5 TO CREATE
MULTI
APPS

6 TO PREPARE
MAKASSAR
METAVERSE

- 01 INFORMATION
TRANSPARENT
- 02 DATA
REAL TIME
- 03 RESOURCES
CONNECTIVITY
- 04 RESULT
EASY TO ACCESS
- 05 TECHNOLOGY
COST REDUCTION
- 06 TO DRIVE
QUICK RESPONSE
- 07 DATA
ACCURACY
- 08 TREND
ADAPTIVE
- 09 LOCAL CHARACTER
CUSTOMIZED
- 10 OUTCOME
ACCUMULATED
- 11 SYSTEM
SECURED

ECOSYSTEM

2 COMMITMENT OF GREEN TECHNOLOGY



A. WATER

- 1 GREEN WWTP
- 2 GREEN DEVELOPMENT OF DRINKING WATER MANAGEMENT SYSTEM
- 3 WATER PIPE REPLACEMENT
- 4 WATER RESOURCE CONSERVATION
- 5 TOWARDS 85% WATER SERVICE COVERAGE



B. ENERGY

- 1 SOLAR ENERGY FOR SCHOOLS, OFFICES AND HOSPITALS
- 2 LED TRAFFIC LIGHTS
- 3 GREEN BUILDING
- 4 OUTING CLASS PROGRAM
- 5 CITY CONSOLIDATION OF ZERO ENERGY



C. TRANSPORTATION

- 1 ELECTRICAL VEHICLE
- 2 CO'MO COMMUTER METROMODA
- 3 ENERGY CONVERSION OF FISHERY TRANSPORTATION
- 4 GREEN CORRIDOR PEDESTRIAN
- 5 ONLINE RIDE DAY



D. INDUSTRY

- 1 GREEN INDUSTRIAL ESTATE NEWPORT
- 2 LIGHT INDUSTRY IN TOWN
- 3 DIGITAL MONITORING OF INDUSTRIAL WASTE
- 4 INCUBATOR CENTER
- 5 INTEGRATED GREEN INCINERATOR OF HAZARDOUS WASTE



E. WASTE MANAGEMENT

- 1 WASTE TO ENERGY
- 2 10 YRS TRANSFORMATION OF LANDFILL INTO GREEN PUBLIC SPACE
- 3 1077 WASTE BANKS & CENTRAL WASTE BANKS
- 4 DIGITALISATION OF WASTE MANAGEMENT
- 5 MULTI-TECHNOLOGY OF WASTE MANAGEMENT



CO'MO
COMMUTER METROMODA

iNews
MALAM
SURABAYA

WALI KOTA MAKASSAR DESAIN KENDARAAN LISTRIK CO'MO
MAKASSAR, SULAWESI SELATAN

ECOSYSTEM

2

COMMITMENT OF GREEN TECHNOLOGY

EXPERIENCES



DOTTOROTTA MAKASSAR HOME CARE

ECOSYSTEM

2

COMMITMENT OF GREEN TECHNOLOGY

EXPERIENCES



EV SCHOOL BUSES

ECOSYSTEM

2

COMMITMENT OF GREEN TECHNOLOGY

EXPERIENCES



ONLINE RIDE DAY

ECOSYSTEM

3 REVISION OF SPATIAL PLAN

A. MITIGATION & ADAPTATION

- 1 COASTAL MITIGATION WITH RECLAMATION
- 2 COASTAL LINE BECOME CITY FRONT YARD
- 3 POLDER SYSTEM AT RIVER MOUTH
- 4 SEDIMENTATION FOR LAND RECLAMATION
- 5 RESHAPING COASTAL LINE (ADAPTIVE)

B. LIVEABLE CITY

- 1 REMASTERPLAN TRAFFIC MANAGEMENT SYSTEM
- 2 REMASTERPLAN PUBLIC TRANSPORT SYSTEM
- 3 REMASTERPLAN WASTE MANAGEMENT SYSTEM
- 4 REMASTERPLAN GREEN CORRIDOR DAN BLUE CORRIDOR
- 5 COMPACT CITY

C. INCLUSIVE CITY

- 1 DISABILITY FRIENDLY
- 2 CHILD FRIENDLY
- 3 WOMEN EMPOWERMENT
- 4 TRENDY CITY
- 5 CITY FOR 24 HOURS

ECOSYSTEM

4 INITIATIVES OF DECARBONISATION & OXYGENATION

A. TREES

- 1 CITY GREEN CORRIDOR
- 2 PROGRAMME OF 1 STUDENT 3 TREES/PLANTS
- 3 1 HOUSE 1 TREE 1 PERSON 10 PLANTS
- 4 CITY FARMING IN TOURISM ALLEYS
- 5 50% GREENERY IN RECLAMATION AREAS

B. MANGROVE & SEA GRASS

- 1 LANTEBUNG MANGROVE CONSERVATION
- 2 GREEN RESTITUTION
- 3 MANGROVE PLANTING TRADITION
- 4 MANGROVE FOREST FOR EDUCATION AND TOURISM
- 5 ENGAGEMENT OF COASTAL COMMUNITIES

C. CORAL

- 1 CORAL CONSERVATION
- 2 HALTING OF FISH BOMBING
- 3 SEA AQUACULTURE
- 4 PATTASAKI - GARBAGE LIFT AND TRANSPORT BOATS
- 5 UNDERWATER TOURISM

ECOSYSTEM

4

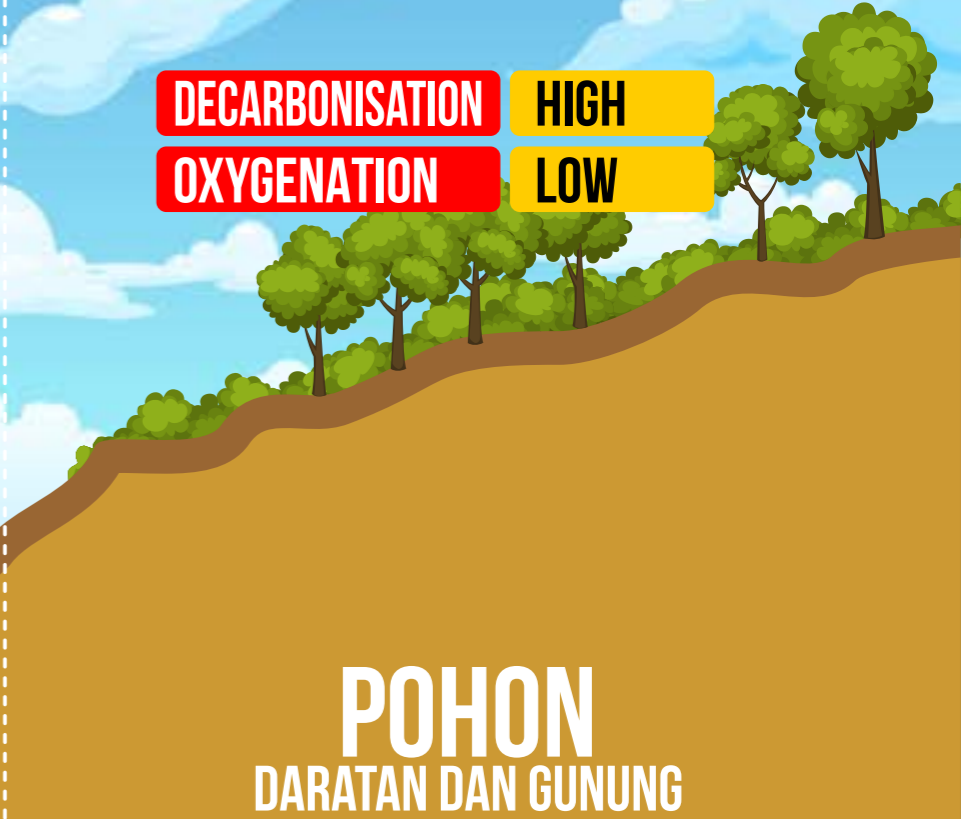
INITIATIVES OF DECARBONISATION & OXYGENISATION

EXPERIENCES

DECARBONISATION **LOW**
OXYGENATION **HIGH**

DECARBONISATION **HIGH**
OXYGENATION **HIGH**

DECARBONISATION **HIGH**
OXYGENATION **LOW**



ECOSYSTEM

5 CHANGE OF SOCIAL BEHAVIOUR

A. PUBLIC ENGAGEMENT

- 1 TOUCHING HEART PROTOCOL
- 2 DIAMOND THEORY
- 3 SOCIAL RECONSTRUCTION
- 4 PERIODICAL CITY CONSOLIDATION
- 5 INSENTIVES

B. CITY CELL APPROACH

- 1 STARTING FROM ALLEYS
- 2 SERIES OF TOURISM ALLEYS
- 3 GROWING TOGETHER
- 4 CITIZEN INSENTIVES
- 5 LOCAL GOVERNMENT FACILITATION

C. SOCIAL MITIGATION AND ADAPTATION

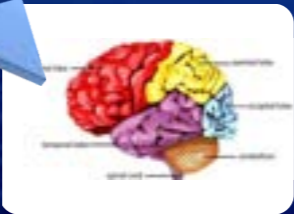
- 1 SOCIAL MITIGATION
- 2 CIRCULAR ECONOMY IN TOURISM ALLEYS
- 3 DOMESTIC WASTE SORTING
- 4 FOOD SECURITY
- 5 CITY FARMING

ECOSYSTEM

5 CHANGE OF SOCIAL BEHAVIOUR

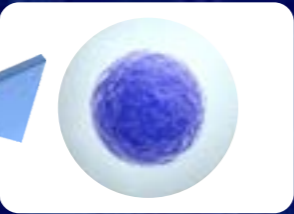
WHY ALLEY?

BECAUSE ALLEYS IS THE CITY CELL



BRAIN

MAYOR
GOVERNMENT



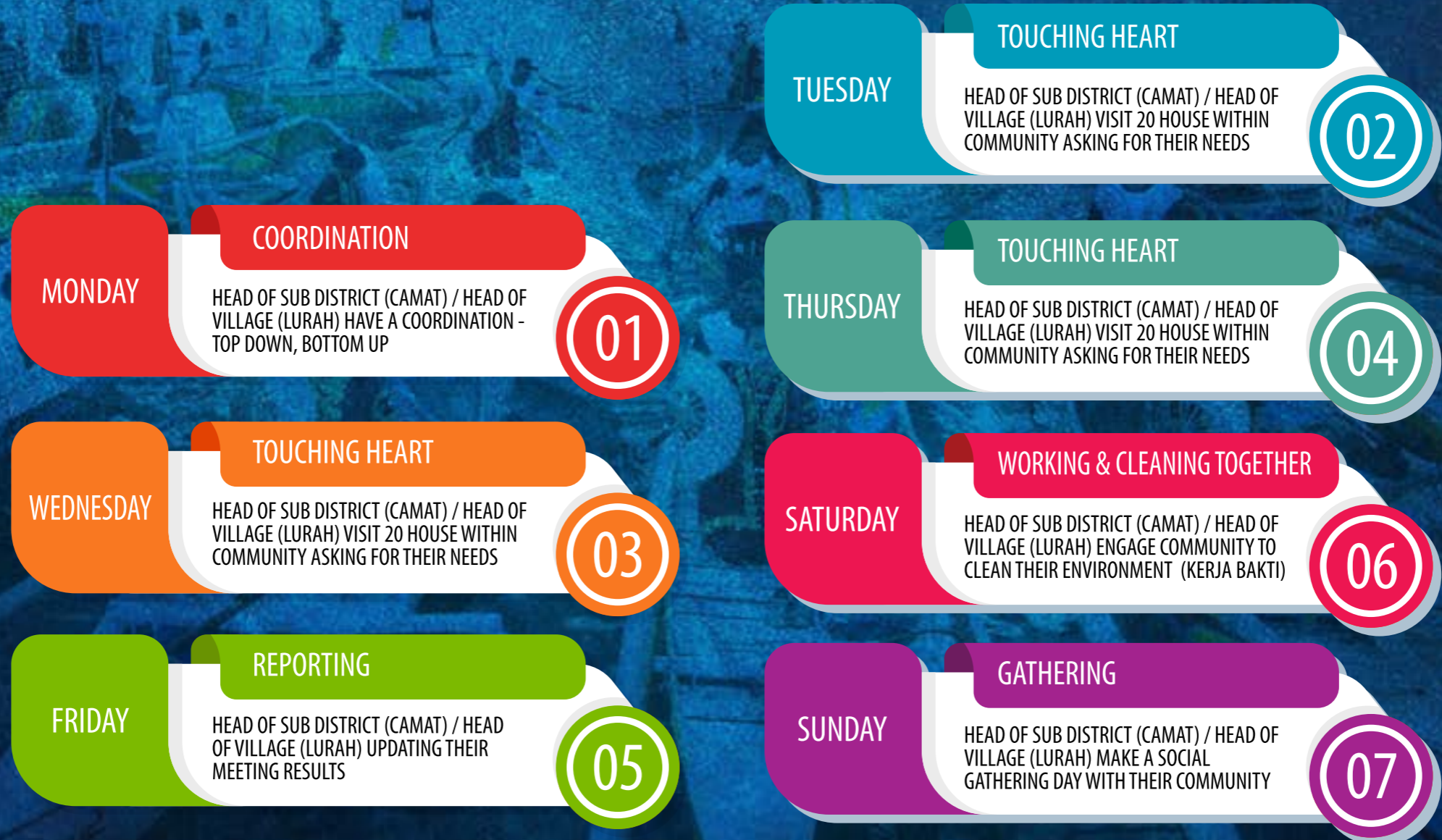
CELL

COMMUNITY
ALLEY

QUALITY OF HUMAN'S BODY

QUALITY OF LIFE'S COMMUNITY

ALLEY = CITY CELL



ECOSYSTEM

5 CHANGE OF SOCIAL BEHAVIOUR

DIAMOND THEORY

INTERACTION

GOVERNMENTAL SYSTEM

BEHAVIOR



WORLD
STATE
COUNTRY
BIG SOCIETY
SOCIETY
BIG COMMUNITY
COMMUNITY
SMALL COMMUNITY
INDIVIDUAL

GLOBAL
STATE
PROVINCE
CITY
DISTRICT
SUB-DISTRICT
WARD
COMMUNITIES
PERSON OF ALLEYWAYS

RESILIENT
COMPETITIVE
PROGRESSIVE
PRODUCTIVE
ATTRACTIVE
INTERACTIVE
INNOVATIVE
INITIATIVE
PARTICIPATIVE

HEART & MIND



COMMUNICATIVE



DIAMOND THEORY BY DANNY POMANTO

ECOSYSTEM

5 CHANGE OF SOCIAL BEHAVIOUR

START FROM THE CELL

ALLEY SERIES







lorongwisata.makassarkota.go.id

ECOSYSTEM

5

CHANGE OF SOCIAL BEHAVIOUR

EXPERIENCES



ECOSYSTEM

5 CHANGE OF SOCIAL BEHAVIOUR

EXPERIENCES

PUBLIC PARTICIPATION



SMART ISLAND PILOT PROJECT



Project background



Pilot Project area



Remote island



Mainland



COLLABORATION

CHANGE OF SOCIAL BEHAVIOUR

MAKASSAR GLOBAL PARTNERS

RISE-REVITALISATION OF INFORMAL SETTLEMENT AND ENVIRONMENT



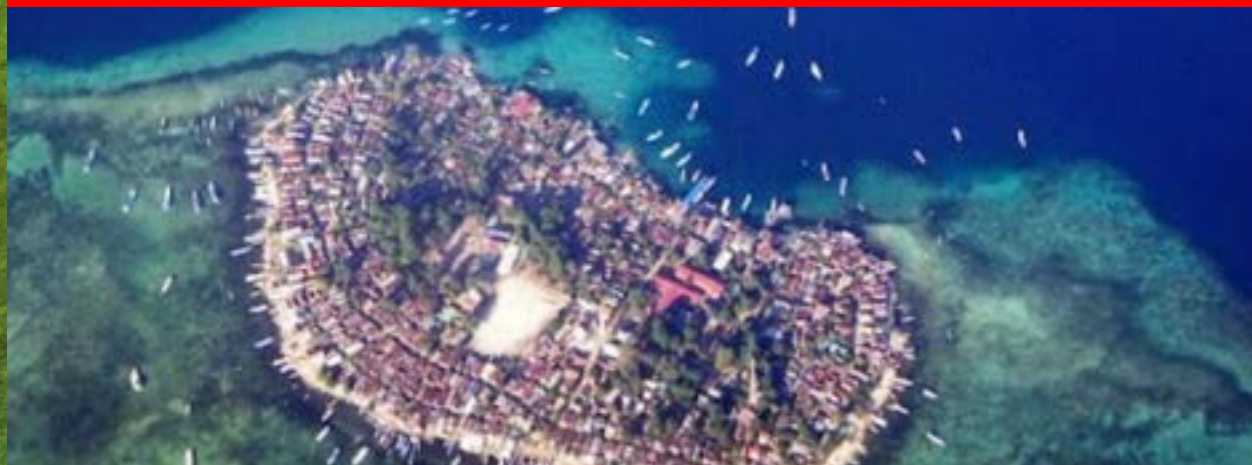
WITH MONASH UNIVERSITY

AI-BASED CITY FARMING WITH NSF USA



WITH NATIONAL SCIENCE FOUNDATION, USA

SMART ISLAND



SMART CITY PROGRAM



An aerial night photograph of a city, likely Los Angeles, showing a large stadium (SoFi Stadium) in the foreground on the left, surrounded by water and illuminated. The city skyline is visible in the background, with numerous skyscrapers and lights reflecting on the water.

Thank You

**EVERYDAY IS YOUR BEST TIME
EVERY PLACE IS YOUR BEST INVESTMENT**