



SOLID WASTE MANAGEMENT IN PALEMBANG CITY



By :

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Palembang City
is located in a very strategic
area, in **South Sumatra,**
Indonesia.

How to visit:

It has direct flight from:

Singapore

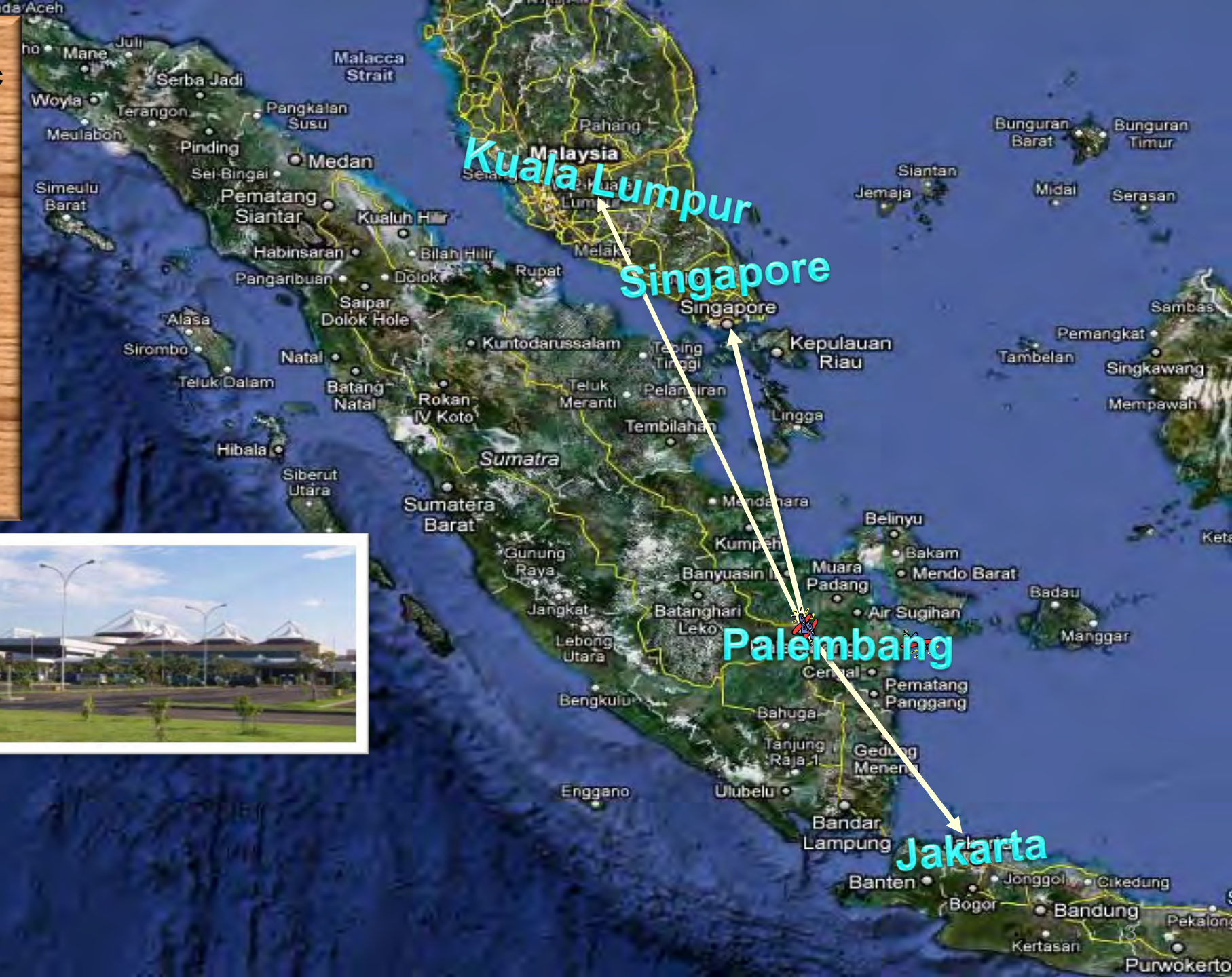
50 minutes

Kuala Lumpur:

1.15 minutes

Jakarta:

50 minutes.





is the capital of South Sumatra Province.
It is the fifth biggest city in Indonesia with Musi river right in the middle of the city.

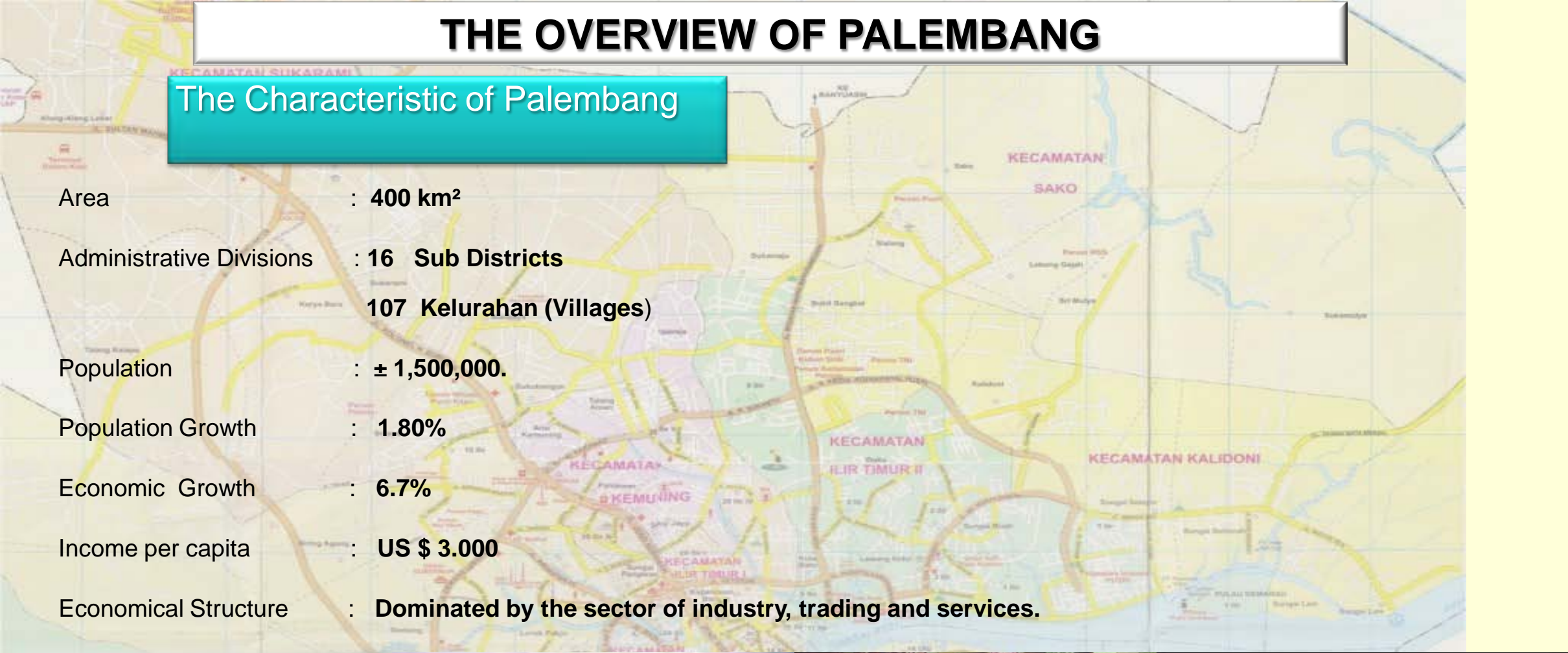


◇ Musi River



THE OVERVIEW OF PALEMBANG

The Characteristic of Palembang



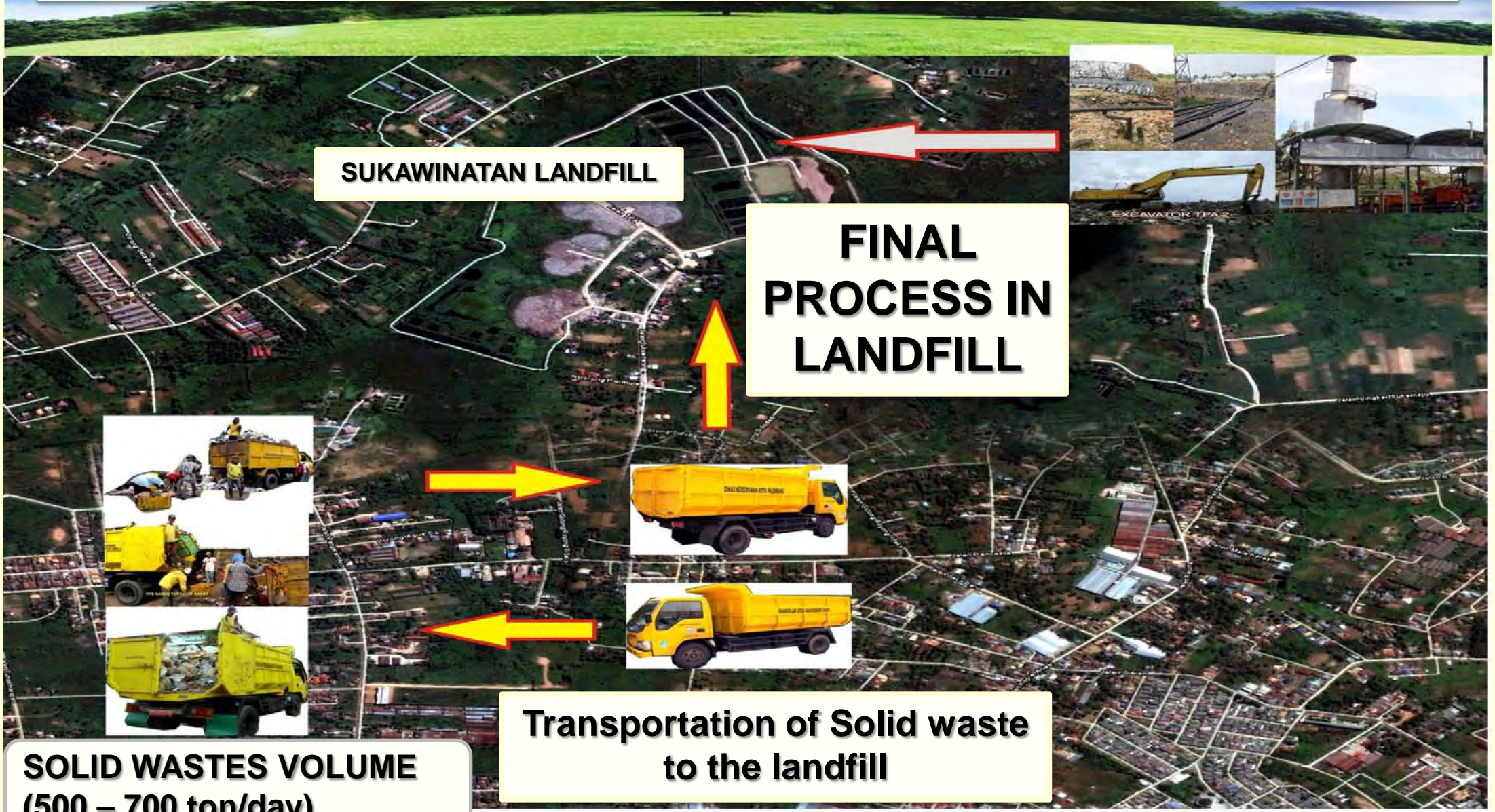
Area	: 400 km ²
Administrative Divisions	: 16 Sub Districts 107 Kelurahan (Villages)
Population	: ± 1,500,000.
Population Growth	: 1.80%
Economic Growth	: 6.7%
Income per capita	: US \$ 3.000
Economical Structure	: Dominated by the sector of industry, trading and services.



ACTUAL ISSUES IN SOLID WASTE MANAGEMENT

- Much solid wastes not carried out to the landfill (only 74% carried out)
- Less optimal of landfill management
- Less public awareness

LANDFILL IN PALEMBANG CITY



SUKAWINATAN LANDFILL

**FINAL
PROCESS IN
LANDFILL**



**SOLID WASTES VOLUME
(500 – 700 ton/day)**

**Transportation of Solid waste
to the landfill**

BEST PRACTICES FOR SOLID WASTE MANAGEMENT IN PALEMBANG CITY

PREVIOUS PROGRAMMES

- **COMPOSTING**



HOUSEHOLDS SCALE



MARKET SCALE



INDUSTRIAL SCALE



OFFICE SCALE



SCHOOL SCALE

CLEAN DEVELOPMENT MECHANISM (CDM) PROJECT

- The Government of Palembang city has made a public private partnership, “Palembang LFG (Landfill Gas Project) with PT. Gikoko Kogyo Indonesia in 2008 to produce methane
- The project is located in Sukawinatan Landfill



ON GOING PROGRAMME

BIOGAS PROJECT

Located in :

1. Rusunawa Settlement, Kasnariansyah road
2. Seberang Ulu I district, 3-4 Ulu sub district :
 - The location of settlement for low income community, MBR
 - Service area : community in MBR
 - Producing biogas from human wastes



COMMUNITY ENGAGEMENT

ENVIRONMENTAL FRIENDLY VILLAGES (KAMPUNG RAMAH LINGKUNGAN)

Criteria :

- 1.Organization
- 2.Waste separation
- 3.3R/compost
- 4.Clean water
- 5.Sanitation (drainage, toilet, septic tank)
- 6.Trees separation
- 7.Garbage bin
- 8.Clean from wastes
- 9.Settlement of decorated trees
- 10.Herbal gardens
- 11.Infiltration holes
- 12.Renewable energy (biogas, biofuel, solar power etc)
- 13.Solid waste bank



**A NEW PROGRAMME TO SUPPORT ENVIRONMENTAL
FRIENDLY VILLAGE (KRL) IN PALEMBANG CITY**

“ SOLID WASTE BANK ”

SOLID WASTE BANK IN PALEMBANG CITY

OBJECTIVES :

- To increase public awareness to separate, manage, reuse and recycle waste (3R; Reduce, Reuse and Recycle)
- To create clean and green environment
- To create job vacancies and increase community's investment

LOCATIONS OF SOLID WASTE BANK IN PALEMBANG

ON GOING SOLID WASTE BANK

- Griya Bahagia settlement at Sukarame district
(Bahagia Mandiri Solid Waste Bank)

ON CONSTRUCTING SOLID WASTE BANK

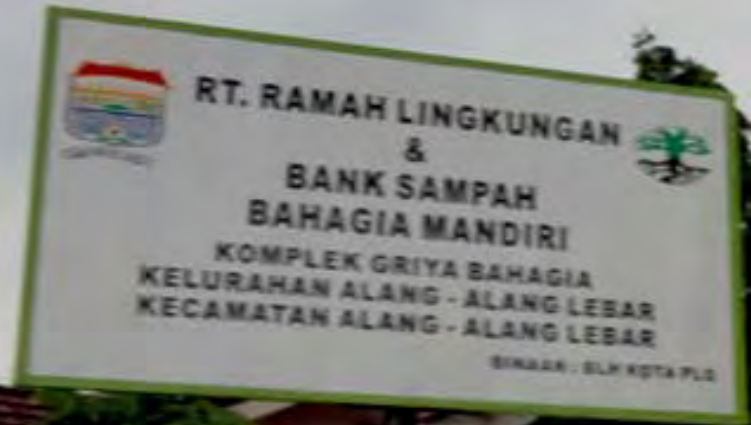
- Hikmah road (Setunggal) at Ilir Timur II district, 8 Ilir sub district (Hikmah Sejahtera Solid Waste Bank)
- At Sukodadi sub district, Sukarame district
- At 28 Ilir sub district, Ilir Barat I district (Kencana Solid Waste Bank)
- At Faqih Usman road (1 Ulu) Seberang Ulu I district (Kenanga Solid Waste Bank)



BAHAGIA MANDIRI SOLID WASTE BANK

- Found in November 2011 (under supervision of environmental protection agency, BLH of Palembang city)
- First budget ; 6.7 millions (IDR) of community's budget at Griya Bahagia settlement
- 60 customers

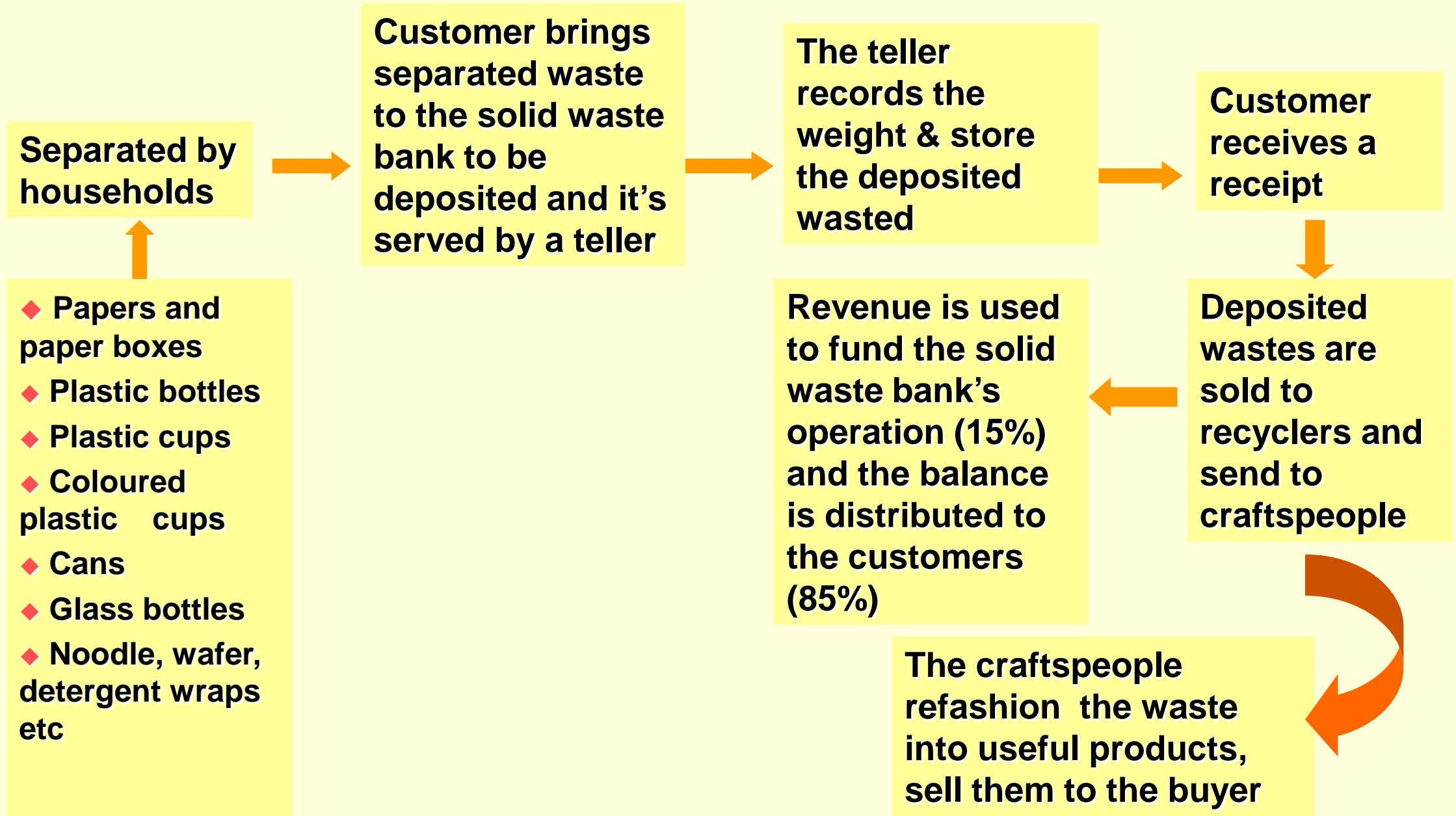




RT. RAMAH LINGKUNGAN
&
BANK SAMPAH
BAHAGIA MANDIRI
KOMPLEK GRIYA BAHAGIA
KELURAHAN ALANG - ALANG LEBAR
KECAMATAN ALANG - ALANG LEBAR
SINGAR - BLK KOTA PLD

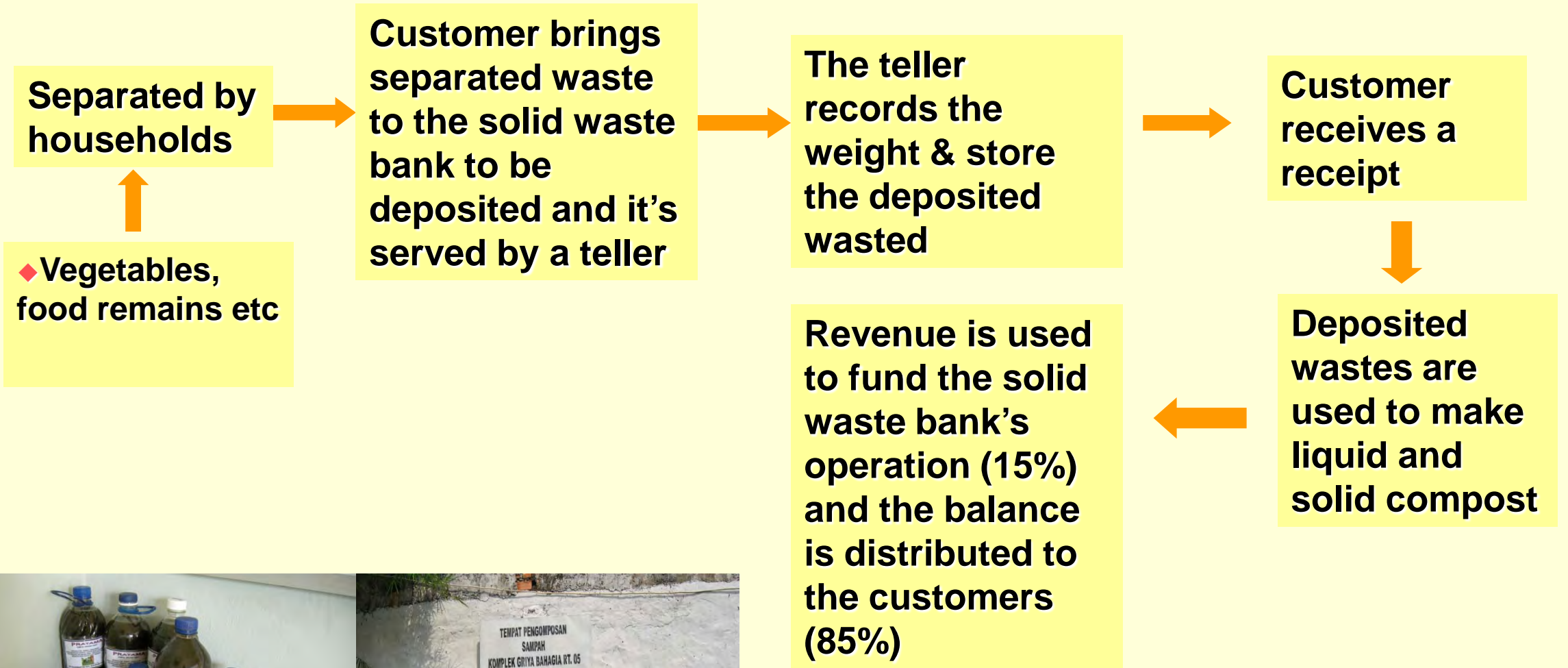
HOW DOES BAHAGIA MANDIRI SOLID WASTE BANK WORK?

NON ORGANIC WASTE





ORGANIC WASTE





THANK YOU

