

MAKASSAR CITY PROGRAM TOWARDS SMART CITY



ASIA SMART CITY CONFERENCE IN YOKOHAMA
30TH-31ST OCTOBER 2012

MAKASSAR CITY PROFILE

AREA

17.577 Ha or 175,77 Km²

POPULATION: 1.352.136 people (2011 census)

CLIMATE of Makassar City

- Dry Season (April – October)
- Rainy Season (October – April)

ECONOMIC PROFILE

Economic Growth : 9,65% (2011)

GRDP at current prices : Rp.43.43 Trillion (2011)

Income per Capita : Rp.32.19 Million (2011)

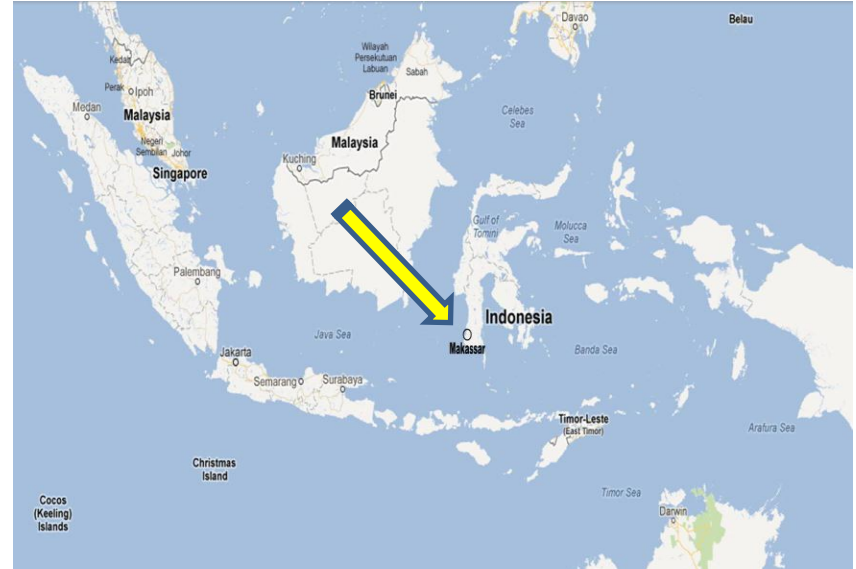
Regional Budget 2008 : Rp. 916.79 Billion

Regional Budget 2009 : Rp.1.19 Trillion

Regional Budget 2010 : Rp.1.223 Trillion

Regional Budget 2011 : Rp.1.588 Trillion

Regional Budget 2012 : Rp.1.768 Trillion



VISION OF MAKASSAR 2025 (REGIONAL LONG-TERM DEVELOPMENT PLAN OF MAKASSAR) :

“THE REALIZATION OF GLOBALLY ORIENTED, ENVIRONMENT, SUSTAINABLE, AND MOST FRIENDLY MARITIME, TRADING, EDUCATIONAL, SERVICE, AND CULTURAL CITY”

VISION OF MAKASSAR MUNICIPAL GOVERNMENT 2014:

“MAKASSAR TOWARDS A WORLD CLASS CITY WITH LOCAL WISDOM VALUES”

ELABORATED IN 5 PRIMARY POLICIES :

1. Human Resources Improvement;
2. Spatial Structure and Environmental Development;
3. Economic Structure Strengthening;
4. Decentralization of implementation of good and corruption-free government;
5. Law and human rights enforcement



MACRO'S INDICATOR OF ECONOMICAL GROWTH



MACRO'S INDICATOR OF ECONOMICAL GROWTH				
YEAR	GRDP	INCOME PERCAPITA	INFLATION	ECONOMIC GROWTH
2007	20,79 Trillion	16,57 Million	5,71 %	8,11 %
2008	26,09 Trillion	20,79 Million	11,79 %	10,52 %
2009	31,38 Trillion	24,05 Million	3,24 %	9,20 %
2010	37,00 Trillion	27,43 Million	6,82 %	9,83 %
2011	43,43 Trillion	32,19 Million	2,68 %	9,65 %



ECONOMIC STRUCTURE OF MAKASSAR

- **TRADE 29,08%**
- **MANUFACTURING INDUSTRIES 19,69%**
- **SERVICES 16,26%**
- **TRANSPORTATION AND COMMUNICATION 14,33%**
- **BANKING AND FINANCIAL INSTITUTION 10,25%**
- **CONSTRUCTION 7,83%**
- **ELECTRICITY, GAS AND WATER 1,81%**
- **AGRICULTURE 0,74%**
- **MINING AND QUARRYING 0,01%**





DOMESTIC/FOREIGN DIRECT INVESTMENT IN MAKASSAR

YEAR	DDI	FDI
2007	Rp. 299,33 Billion	\$ US.110,78 Million
2008	Rp. 336,02 Billion	\$ US.228,06 Million
2009	Rp.195,45 Billion	\$ US.13,87 Million
2010	Rp. 1,26 Trillion	US\$ 1,02 Million
2011	Rp. 888,28 Billion	US\$ 19,93 Million



MAKASSAR CITY PROGRAM TOWARDS SMART CITY

1. INFRASTRUCTURE PROGRAM

- Sustainable Urban Public Transport;
- Revitalization of Karebosi Stadion;
- Revitalization of Losari Beach;
- Installation of Wastewater Treatment Plant (IPAL);
- Makassar Energy Center;
- Centerpoint of Indonesia.

2. GREEN PROGRAM

- Green City Development Program (P2KH);
- Structuring of Balang Tonjong Lake;
- Makassar Tallo River Area Development;
- Solid Waste Management;
- Pollution Control;
- Energy Efficiency.

3. SOCIAL PROGRAM

- Management of Slum Settlement;
- Free IASMO.



INFRASTRUCTURE PROGRAM

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Map Data © 2010 AND
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URBAN PUBLIC TRANSPORT

(planned)

Jalur Monorail :

- ▶ Airport Line (Airport–Intermoda Maros–Daya): 8.1 km
- ▶ Yellow Line (Daya–Central): 14.1 km
- ▶ Green Line (Centra–Alauddin–Sungguminasa–Urip–Intermoda): 12.1 km



Sustainable Urban Public Transport:

1. Environmental-friendly – not contributing to the air pollution and sound pollution/noise.
2. Having relatively short bus stations/stops distance (1-3 km) with the short service distance as well (<30 km)
3. Not contributing to the jam in urban highways, but rather solving the traffic jam.
4. Having a big passenger capacity with a big access door as well.
5. Capable of reaching the crowded urban corners (settlement areas, business areas, department stores, etc). Even capable of reaching the new settlement area in sub-urban areas.
6. Having a potency to be further developed as feeder and interconnected with the other transportation means (bus, train, metro, taxi, etc).

REVITALIZATION OF KAREBOSI STADION (completed)

Total area: 10.019 Ha.

Revitalization goals:

1. Restoration of its function as Public Space by maintaining the existing sport facilities

- Green open area
- Sport centers
- Helly pad
- Parking area
- Ceremony Field/Ceremony stage

2. Providing Supporting Infrastructure for Sport activities with total area of 4.3965 ha as public facility while the economic facility is 40% consisting of 722 kiosks with estimated absorbed 1,444 employees. Investment value is + Rp. 118 Billion



REVITALIZATION OF LOSARI BEACH

(on progress)

THE GOALS OF LOSARI BEACH REVITALIZATION: INTEGRATED COASTAL MANAGEMENT

- Disaster Mitigation
- Sewage Pollution;
- Public Space & Public Share;
- Green Open Area;
- Maritime Tourism;
- Entertainment/Recreation;
- Maritime Sport;
- Traffic jam;
- Economic, social, cultural, etc.





INSTALLATION OF WASTEWATER TREATMENT PLANT (IPAL) 2015 DEVELOPMENT (planned)

Service Coverage

6 Subdistricts ; 42 Villages; 228,026 people

IPAL and Pumping House Plan

- Service Area : Losari and GMTD with total service area of 1,357 Ha.
- IPAL Capacity is 10,000 m³/day; Area : 6 Ha

Type of served connection:

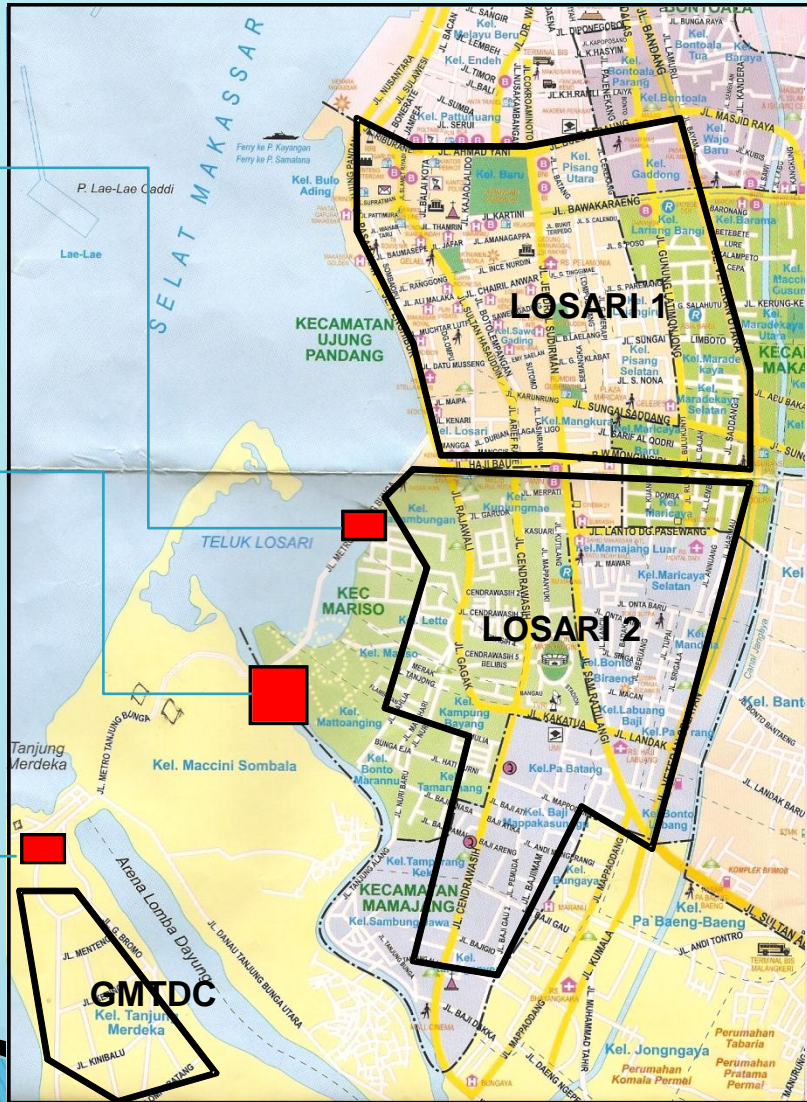
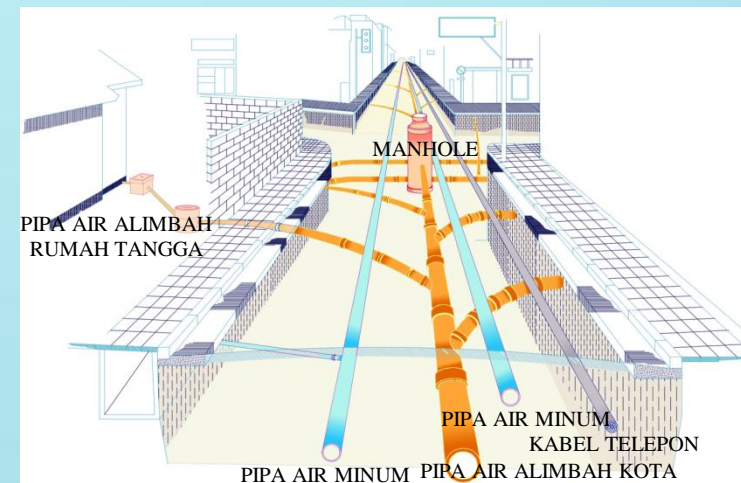
- Domestic connection: 35%
- Non-domestic, commercial, social, and governmental institutions 65%

Number of connections:

- 10,000 (until 2018)
- 20,000 (until 2028)

Pump House

- 1 unit in Tanjung Bunga Street (1500 m²)
- 1 unit in Tanjung Bunga Street, GMTDC (600 m²)



Equalization and Pumping house of 2.400 m²

Location of Installation of Wastewater Treatment Plant (IPAL)



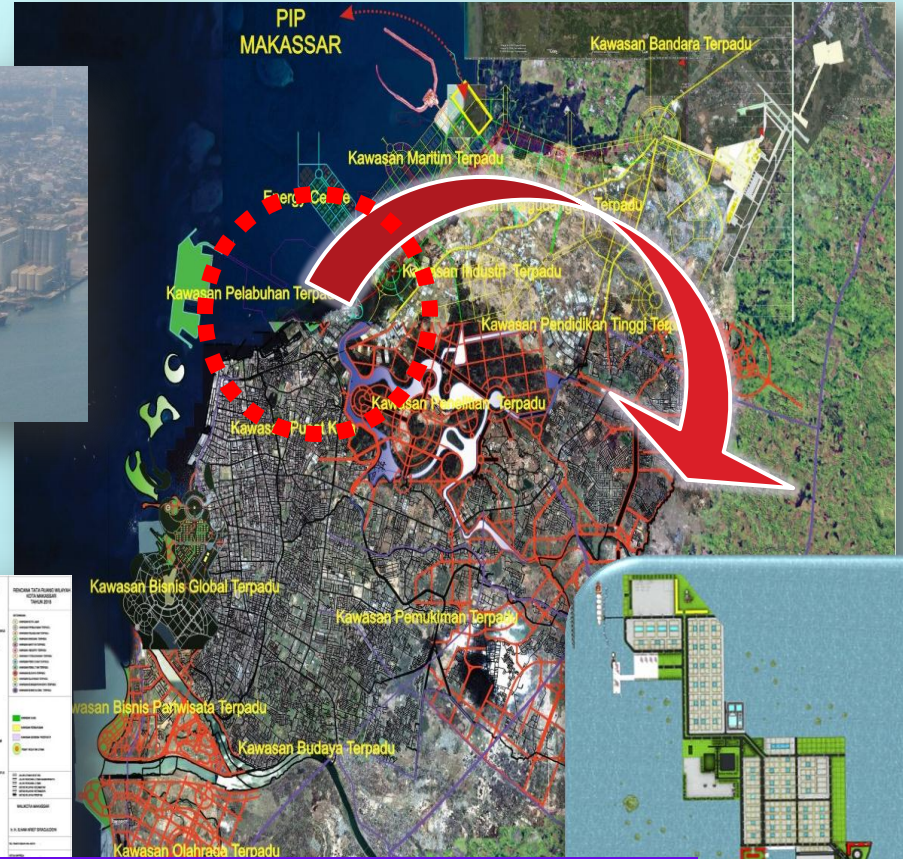
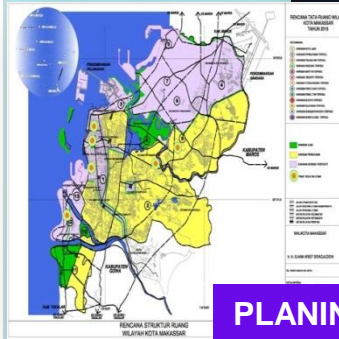
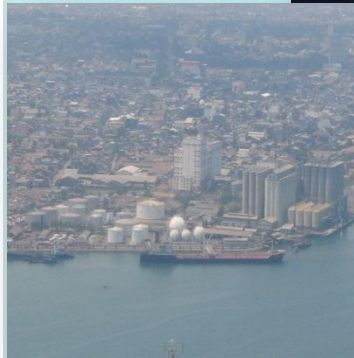
Equalization and Pumping House GMTDC of 500 m²



MAKASSAR ENERGY CENTER (planned)

BACKGROUND

- Existing PERTAMINA depot is not adequate anymore, surrounded by residential area
- Creating legal certainty and assurance sought, without any particular party monopoly for the oil and gas industry
- Central Business District of Energy and Fuel (7 specific areas, based on Local Regulation No.6 Year 2006 about Spatial Planning of Makassar City)
- Law of Oil and Gas No. 22 Year 2001 and the Free Market of Oil and Gas that no longer monopolized by PERTAMINA and Government



PLANNING THIS AREA WITH THE HIGHEST SECURITY
>>> BEACH RECLAMATION/ RE-SHAPING AREA 250 Hectare



CENTERPOINT OF INDONESIA

(on progress)

Reclamation area in the seashore of Makassar

Located in Maccini Sombala Village area, Tamalate Subdistrict of Makassar City; total area is 157 Ha, *trigger* area is 36,5 Ha.

- Business, Governmental, and Educational Center;
- Entertainment Estate;
- Hotel (world class);
- Golf field (high seas view);
- Mosque (the most magnificent in Asia; 2 floors; second floor is religious space and the first floor is public space);
- A park of 1000 statues of Indonesian heroes (the Makassar Nostradamus);
- Public Space (stadion (*the new Karebosi*), playing ground, flower garden, relaxing area, artificial beach);
- Flyover (2 flyovers; width: 40 metres);
- Waterway;
- Monorail (connecting center of Makassar City to Hasanuddin International Airport);
- Busway.





REUSE
REDUCE
RECYCLE



GREEN PROGRAM



Green City Development Program (P2KH)

**Abd.Dg.Sirua
Park**

Toddopuli Park

**Plan of P2KH
Kerung-Kerung
behind THR**

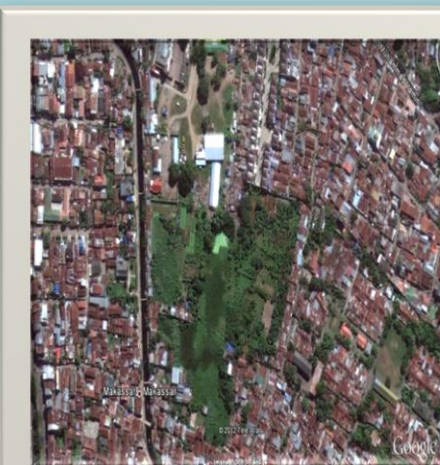
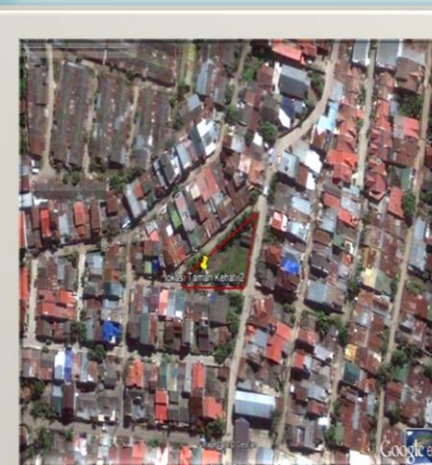
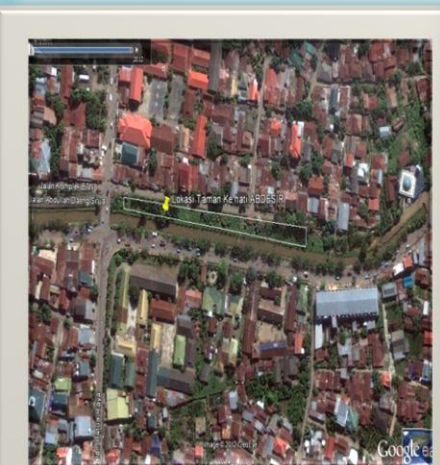
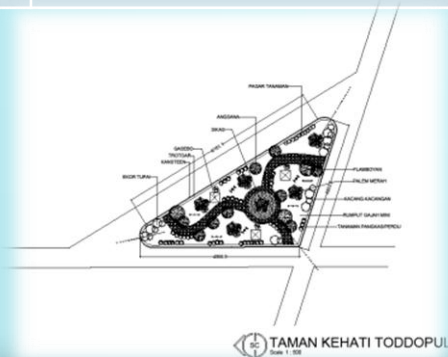
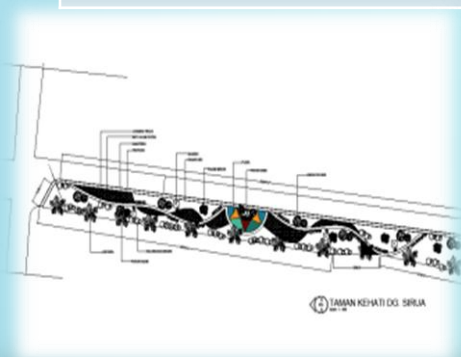
**KeHati Kerung-
Kerung Park**

Area: 2000 m²

Area: 800 m²

Area: 5000 m²

Area: 1800 m²





STRUCTURING OF BALANG TONJONG LAKE

(planned)

BACKGROUND

CONDITIONS OF THE BALANG TONJONG LAKE AND ITS SURROUNDING IS LESS ORDERED QUANTITATIVELY AND QUALITATIVELY (ESTHETIC).
AS A NATURAL RESERVOIR, THE SEDIMENTATION RATE IN THE BOTTOM OF THE LAKE IS VERY HIGH.
LIMITED PUBLIC SPACE, WHERE THE PUBLIC NEED ON OPEN SPACE AS A MEDIUM FOR SOCIAL INTERACTION IS INCREASING.

LOCATION

MANGGALA SUBDISTRICT, MAKASSAR CITY
PROTECTED AREA AND PUBLIC SPACE (Regional Regulation No.6 2006 about RTRW of Makassar).

AREA 27 HA

AN OPEN SPACE AND NATURAL RESERVOIR

BUDGET PLAN

STRUCTURING OF BALANG TONJONG LAKE AREA (PHASE I)
RP.165,858,498,000,-

STRUCTURING PLAN

MAIN FUNCTION AS A RECHARGE AREA

ADDITIONAL FUNCTION AS A GREEN PUBLIC SPACE FACILITATED WITH CITY GARDENS, JOGGING TRACK, PHISING AREA, FRESHWATER FISH CULTIVATION, MOORINGS AND PATHS FOR ROWBOATS, WATER TREATMENT PLANT (DOMESTIC WASTE), PARKING AREA AND INFORMAL SECTOR BUSINESS PLACE WITH ENVIRONMENTALLY-AWARE MANAGEMENT.



MAKASSAR TALLO RIVER AREA DEVELOPMENT (planned)

1. Environmental Rehabilitation and Flood Control

- ▶ Dredging section of the river in project location, particularly along sections where almost affected by tidal change from sea water, to improve their flow capacity and disposing the dredge material in proper facilities;
- ▶ Constructing embankment along the dredged sections, and putting additional facilities, when necessary, to improve its flood protection function;
- ▶ Strengthening capacity of the responsible agencies to ensure sustainability in river basin, particularly in area where government imposes strict development restriction.



2. Urban Area Upgrading

- ▶ Neighborhood upgrading on the tip of Tallo near estuary;
- ▶ Infrastructure and facility provision and/or upgrading for community along the riverside
- ▶ To support its function as both green area and eco-tourism object





SOLID WASTE MANAGEMENT

(in progress)



MAKASSAR GREEN AND CLEAN (MGC) since 2008 the movement of environmental care has been coined based on society empowerment.

- Cooperation program of municipal government, PT. Unilever, Peduli Negeri Foundation and Harian Fajar;
- In 143 villages all Makassar;
- Its goal was to establish Makassar clean and green city;
- Education and motivation to manage waste Independently;
- Waste management by 3R methods (reduce, recycle, reuse);
- recycle of waste from used goods into useful ones by emphasizing the role and participation of local communities;
- Doing afforestation in respective areas;





POLLUTION CONTROL

EXHAUST GAS EMISSION TEST an attempt to establish environmentally aware Makassar and reducing the burden of air pollution caused by exhaust gas emission of motor vehicles.

BLUE SKY PROGRAM (PROCLAIMED IN 1996) motivate the increase of urban air quality from air pollution, particularly those sourced from motor vehicle by implementing sustainable transportation.

AWARDS

1. **BLUE SKY AWARD (2008; 2011)** from the environmental ministry of RI; an award for cities with the most clean air in Indonesia. Criteria: traffic management, fuel quality, vehicle emission test, and the quality of air in cities highways, the attempt of local government to reduce the emission and city structuring.

2. **ENVIRONMENT SUSTAINABLE CITY (ESC) AWARD (2011)**, Nusa Dua Bali, an ASEAN-level award, awarded to Makassar City as a big city with clean atmosphere.

Criteria: clean land, clean air, and clean water.



Energy Efficiency Program such as retro fit – LED lighting and Air Condition application for government building and street light with nationally certified.

Priority project for government building will be implemented in the year of 2013. The Project will be cofinanced between UNDP, Local Government, and USAID





SOCIAL PROGRAM

MANAGEMENT OF SLUM SETTLEMENTS



BEFORE

Total of Slum Settlement Area in Makassar 323 Ha (Year 2008)
Poor population, 300,000 people
Number of poor household, 60,000 households in 7 Subdistrict



STRUCTURING WITHOUT DISPLACING

AFTER

- Rusuna Mariso 5 twin blocks
- Rusuna Daya 3 twin blocks
- Rusuna Unhas 4 twin blocks
- Rusuna UNM 1 twin blocks
- Rusuna Unismuh 3 twin blocks
- Rusuna UMI 1 twin blocks
- Rusuna Athirah 1 twin blocks
- Rusuna KIMA 4 twin blocks
- Rusuna UIN 2 twin blocks





1. Population and civil administration service (free of charge for birth certificate, citizen card, or family card provision).
2. Funeral and cremation service (free of retribution charge).
3. Health service (free childbirth cost, free service at health centers).
4. Free school transportation.
5. Free legal assistance for poor people.



THANK YOU

