

# SMART CITY INNICIATIVE IN MANADO CITY

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*Mayor of Manado City*

# I. CITY OF MANADO OVERVIEW



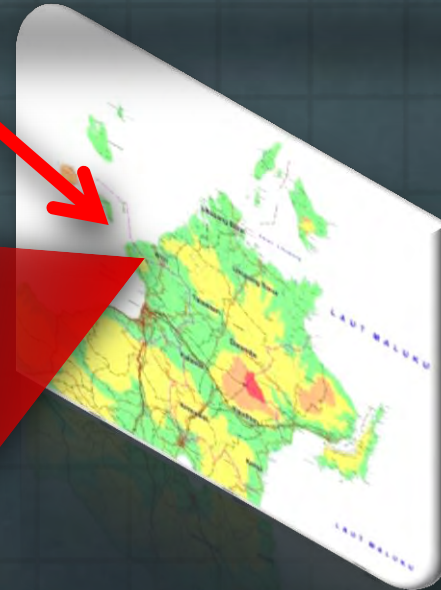
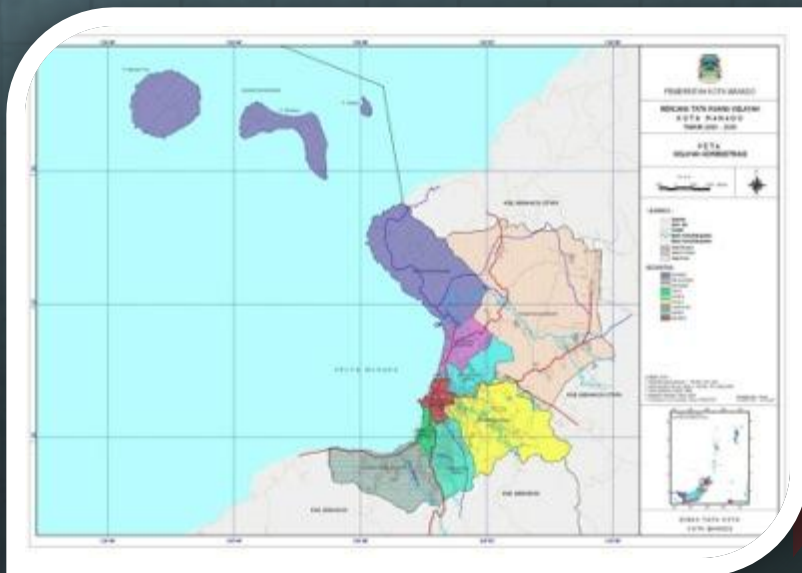
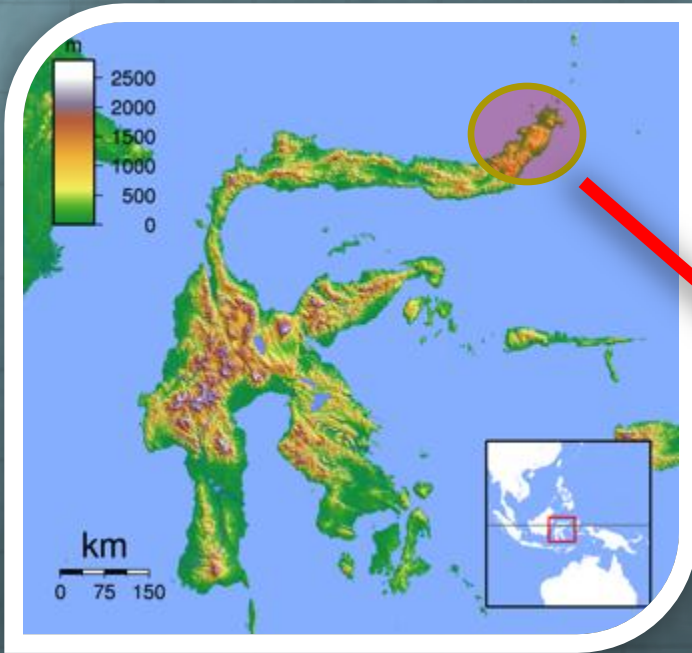
# MANADO IN REGIONAL AREA

- Manado is the capital city of North Sulawesi province
- To the north, the region borders the Philippines, Sulawesi Sea and the Pacific Ocean.
- Manado is located at the Bay of Manado, and is surrounded by mountainous regions to the east and south. This mountainous terrain includes many volcanoes, some of which are active.
- Rich volcanic ash makes the land in North Sulawesi very fertile. The highland and lowlands produce rice, corn, coconut, clove, nutmeg, vanilla and a variety of vegetables. The North Sulawesi landscape has many lakes and rivers, most of which are utilized for irrigation of rice fields. The Tondano River is also used to generate electrical power for the Manado and Minahasa region.



# GEOGRAPHICAL SITUATION

- Manado City locates between  $1^{\circ} 30' - 1[B1]^{\circ} . 40'$  North Latitude and  $124^{\circ} 40' - 126[B2]^{\circ}.50'$  East Longitude
- The area of Manado City is 15.726 hectares (157,26  $\text{km}^2$ ). Due to the reclamation on Manado Bay started by 1995, Manado City area was expanded to 67 hectares.



# HOW TO GET TO MANADO CITY



- Manado city is located in the northern part of Sulawesi Island. An island shaped like a K letter in Indonesia
- The city can be reached by Airplane from Fukuoka Airport about 11 hours via Singapore or Jakarta

# CLIMATE SITUATIONS

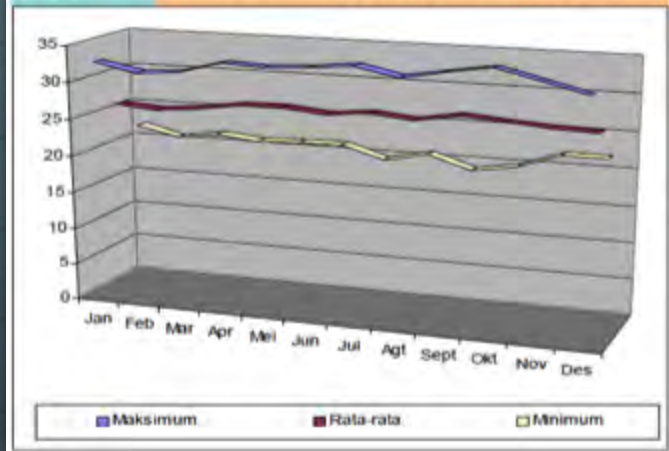
- As the area located in equator line, hence Manado City only recognizes two seasons: rains and drought. Rainfall is determining by climate circumstance, circumstance of orography, and rotation/meeting of air current. Therefore, number of rainfall varied according to month. Based on the observation at Meteorology Station of Manado, mean of rainfall during year 2007 ranging from 67 mm (September) to 574 mm (January).
- Temperature of air is determining by height to sea level and distance from coast. The average temperature of air in the daytime ranged from 31,0°C to 34,9°C, while temperature of air ranged from 19,1°C to 22,0°C..
- Manado City has relatively high humidity ranges from 71 percent in September to 86 percent in Januari-February.
- Mean of wind velocity in Manado City ranges from 2,2 – 5,1 knots.

GAMBAR 1.3.

Suhu Udara Maksimum Dan Minimum Tahun 2007  
(Dalam Derajat Celsius)

Figure 1.3

Maximum and minimum temperature by month (Celsius degrees), 2007



GAMBAR 1.4.

Kelembaban Nisbi Menurut Bulan Pada Pengukuran Stasiun  
Geofisika Manado

Figure 1.4

Relative humidity by month at measurement of Meteorology Station



# MANADO FACTS

415,114

POPULATION

6.4%

%HH IN POVERTY

## LAND

Total Land Area	15,726 ha
# of Districts	9
# of Neighborhoods	87
% Residential	24.2 %
Population Density	26 people / ha
% Open Space	71.7 %
Open Space per 1,000 persons	11.3 ha

## ECONOMY

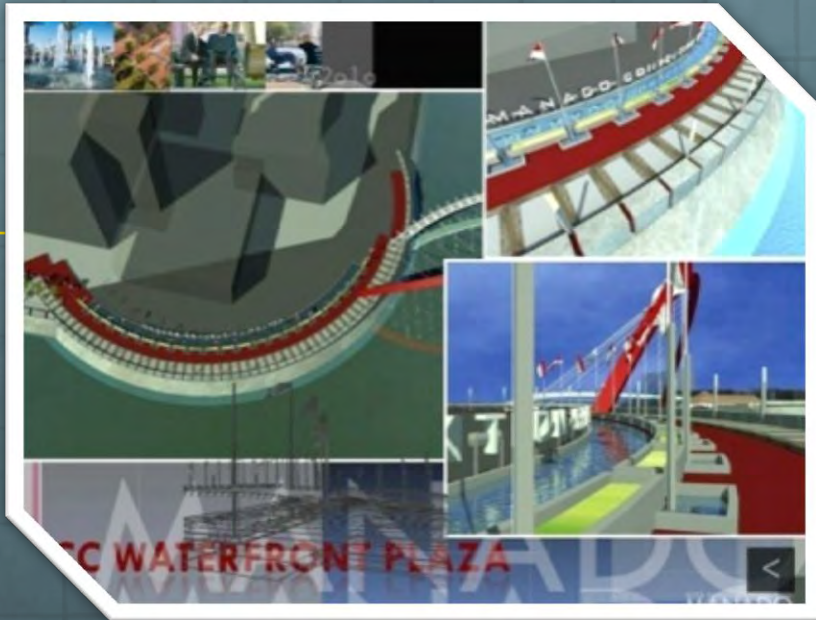
Economic Sectors (% of GDP in 2011)

Agriculture	1.7%
Manufacturing	5.5%
Utilities	0.6%
Construction	15.5%
Trade, Hotel, Restaurant	27.8%
Transportation and Communication	16.9%
Finance & Business Services	9.0%
Other Services	23.0%

Figure 8: Manado city profile figures and regional road network map  
Source: Manado In Figures, 2013

- Manado has a population of just under 500,000 inhabitants. Though Manado is not a large city, it plays an important role in the region due to its growing economy and position as the provincial capital of North Sulawesi.
- Given that it has an international airport, seaports, hosts national and international conferences and hotel infrastructure of a city twice its size, it has characteristics of a much larger city.
- There are a number of ambitious projects that our city is undertaking that reflect its regional importance, including: the extension of the airport runway, a new regional bus terminal, a new port for cruise liners, a ring road, and coastal reclamation projects to promote commercial and real estate development projects.

# VISION



Vision has become a declaration seems so brief but interesting or really challenging that makes it easy to remember but substantially would be able to figure out what goal to reach related to the programs offered by the city mayor when he was still a condidate as we have known that the middle term development to Manado city 2011-2015 is as follows”

**Vision:**  
**“Manado Model City For Ecotourism”**

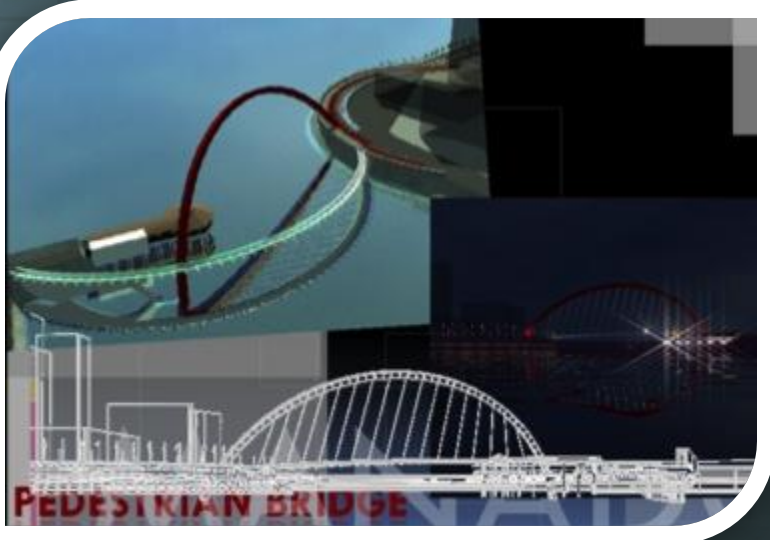


# MISSION

In order to make the mission easy to remember by all stakeholders that how the vision will be implemented, then the mission was formulated in a simple but meaningful sentence, that is;

**Mission:**

***“To make Manado a city of happiness”***



# GRAND STRATEGIES



In order to spelling out mission and clarifying the five years ahead, grand strategy goals for the development of Manado City has determined as follows:

1. Creating qualified living society, harmonious and peace.
2. Creating healthy environment of city.
3. Developing identity and image of city as a world ecotourism model.
4. Promoting role of Manado City in the development of regional economic.
5. Implementing good governance management.

# *For Interreligious Harmony, People of Manado has a Life Slogan of "We Are All Brothers"*

- The existence of the understanding/high tolerance among different communities and live in peace in Manado
- Visit each other and congratulating on every religious holidays has become a culture from generation to generation in the city of Manado.
- In fact, every year, it was a customary for Muslims to guard churches when the congregations were worshipping at the feast of Christmas and new year. The same is also done by Christians in worship feast of Eid al-Fitr.

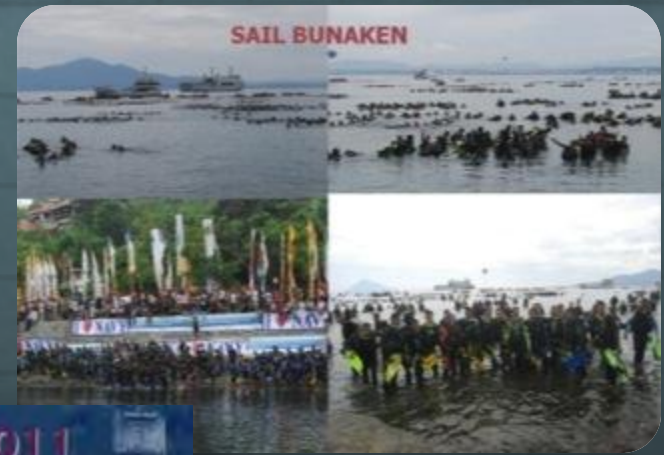


**The condition of Interreligious harmony has become a harmony model in Indonesia and the people can maintain a sustainable safe and comfort of the city. The results are:**

1. A stable city that attracts migrants from nearby islands and localities where internal conflicts and ethnic strife have made daily life difficult. It is seen as a receptor city for those wishing to flee and seek refuge. These migrants often settle in peripheral,
2. Many investors are investing in the city of Manado. So that many business centers and malls were built and changed rapidly the face of the city to the metropolis.



### 3. The city has become one of the important MICE (Meetings, Incentives, Conferences, and Exhibitions) destination city in Indonesia



4. Bunaken marine park and other tourist locations in the city of Manado has become increasingly popular and visited by many foreign and domestic tourists.

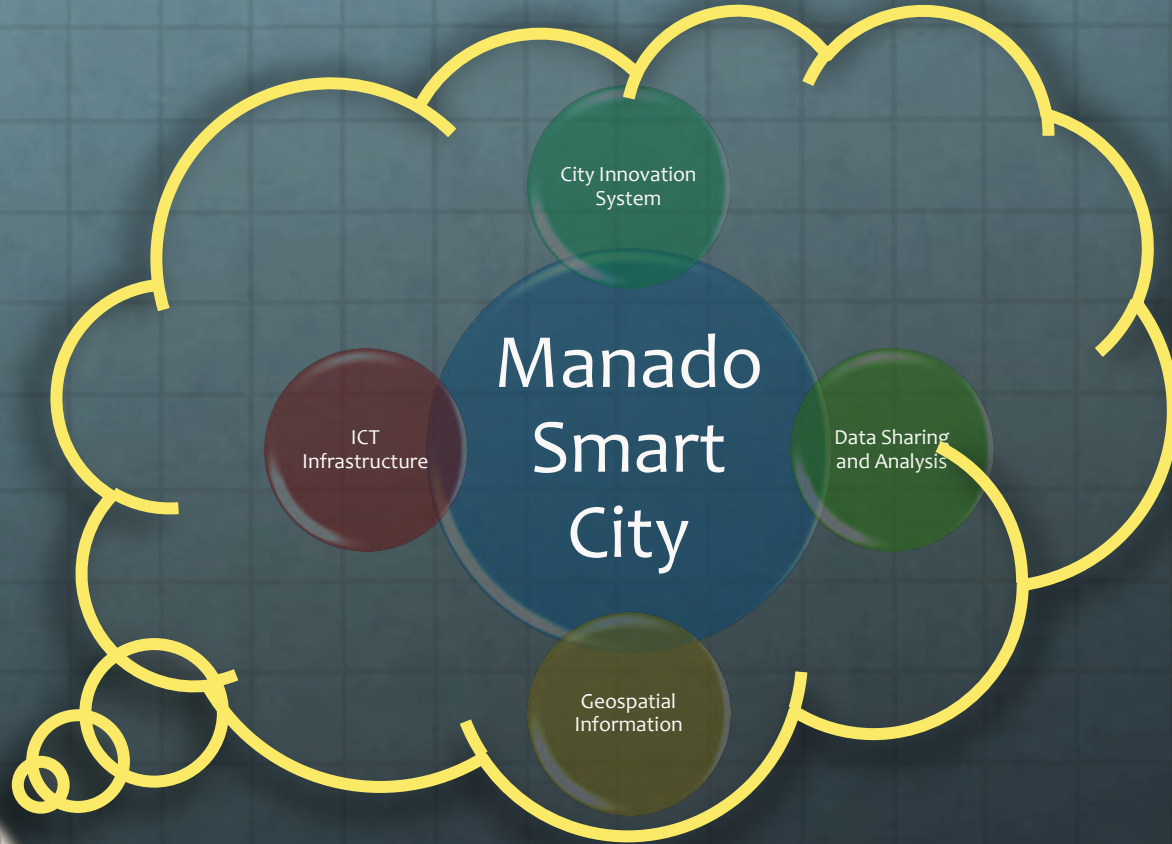


**Bunaken Marine Park**



**Culinary location at night in Manado  
Boulevard**

# II. SMART CITY INITIATIVE IN MANADO



# 9 Running Programs using ICT in Manado City

- 1) **Free Wifi in some Spot Areas:** This facility was prepared by the government for people which aiming to promote the use of ICT,
- 2) **CCTV in all rooms and area in City Hall:** It is under constructing now and will be run effectively by the end of this year.
- 3) **E-Monitoring and Evaluation (e-monev) system:** it has been started since January 1, 2014. The program is implemented to monitor and evaluate monthly the performance progress and budget absorption that were planned in the previous year by all sector departments in Manado City Government. Website: [sakupmonev.manadokota.go.id](http://sakupmonev.manadokota.go.id)
- 4) **E-Musrenbang System:** The Planning and Development Deliberation program. It is implemented by deliberations consensus of society in bottom-up. The deliberation results should be input online through website of [musrenbang.manadokota.go.id](http://musrenbang.manadokota.go.id)



# 9 Running Programs using ICT in Manado City

5. Intranet of E-Gov for Financial Management: Running by Financial Management Board of Manado.
6. Transparent Yearly Budget and city development publications that published into Website: [www.bappeda.manadokota.go.id](http://www.bappeda.manadokota.go.id)
7. Managing the Data of Employment (Civil Servants of Manado City): [bkd.manadokota.go.id](http://bkd.manadokota.go.id)
8. Applying the method citystat (Comstat) with the name Manstat (Manado Statistics based Strategic Leadership): [manstat.manadokota.go.id](http://manstat.manadokota.go.id)
9. Intranet of Computerized Licensing Administration System: Running by Integrated Licensing Service Agency of Manado City

# Future Plans

## (Short Term started 2015)

### To integrate the 9 running programs

### Smart Government:

- 1) The strategic plan of information and communication technologies,
- 2) Public involvement in decision making (Neighbourhoods based program),
- 3) Health care service system in Universal Coverage Program,
- 4) System administration, citizen participation, licensing administration system, and system monitoring public areas.

### Smart Environment:

- 1) Disaster early warning systems,
- 2) IPTV system to monitor the city security, streetlight of solar cell and traffic system,
- 3) Waste treatment systems based on information technology,
- 4) Public Transport-Shuttle Bus-Parking or Tol (ASPOL System),
- 5) Wechnology-based water monitoring system.