



**Semarang City Government**

# **THE GREAT SEMARANG**

**Presented by : Mr. MUTHOHAR**

**Head of Department of Housing and Settlement Area of Semarang City**

**Kick Off Meeting World City Project of the European Union  
in Indonesia and Vietnam**

**Pullman Hotel Jakarta, May, 21<sup>st</sup>, 2017**

# PROFILE OF SEMARANG CITY

- 16 Districts and 177 sub district (kelurahan)
- Total area : 373.7 km<sup>2</sup>
- Population : 1,65 million people (2016)
- Population growth : 1,5% per year
- Income per capita : USD 2,572 (2015)
- Land subsidence : 8 cm/year at North of Semarang City

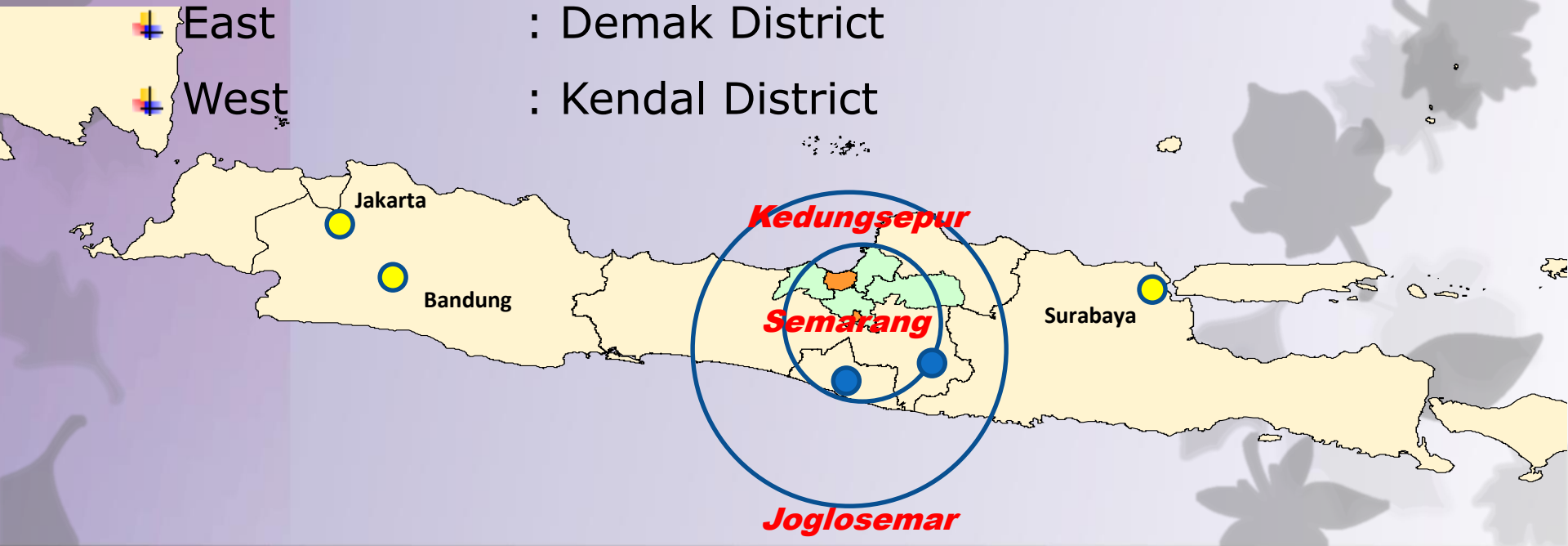




# GEOGRAPHICAL

Geographically Semarang City is located between  $109^{\circ} 35'$  –  $110^{\circ} 50'$  East Longitude and  $6^{\circ} 50'$  –  $7^{\circ} 10'$  South Latitude with an area of 37,370.39 Ha and with administrative boundaries as follows :

- + North : Java Sea
- + South : Semarang District
- + East : Demak District
- + West : Kendal District



# TOPOGRAPHY

- ✚ Topographic elevation is at an altitude between 0.75 m to about 350 m above sea level. Topographic conditions create beautiful panoramic potential and more diverse ecosystems.
- ✚ Topographic condition of Semarang City consists of :
  - Coastal plains : 1% of total area with altitude 0-0.75 meters above sea level
  - Lowland : 33% of total area with altitude of 0.75-5 meters above sea level
  - Plateau : 66% of the total area with an altitude of 5-348 meters above sea level





# VISION AND MISSION OF SEMARANG CITY 2016 -2021

**"Semarang City of Great Trade and Services  
Toward Increasingly Prosperous People"**

”

## **MISSIONS :**

1. Realizing the life of a cultured society and quality
2. Allows government to be more reliable to improve public services
3. Aim for a vibrant and eco-friendly Metropolitan City
4. Strengthening the populist economy based on local excellence and building a conducive business climate





# SOME PRIORITY PROGRAMMES :

- A. THE FLOOD CONTROL AND THE RISE OF THE SEA LEVEL PROGRAMME
- B. PROGRAMME FOR DEVELOPING FACILITIES AND INFRASTRUCTURE  
INFRASTRUCTURE
- C. SMART CITY DEVELOPMENT
- D. ADDITIONAL THE OPEN GREEN SPACE





# **A. THE FLOOD CONTROL AND THE RISE OF THE SEA LEVEL PROGRAMME**



# SHIFT BY WATER PAIR (ROB)



## PEMERINTAH KOTA SEMARANG

BADAN PERENCANAAN PEMBANGUNAN DAERAH  
(BAPPEDA)  
JL. PEMUDA 148 SEMARANG

PEKERJAAN :

PENYUSUNAN DOKUMEN  
MASTERPLAN DRAINASE SEMARANG

### KETERANGAN

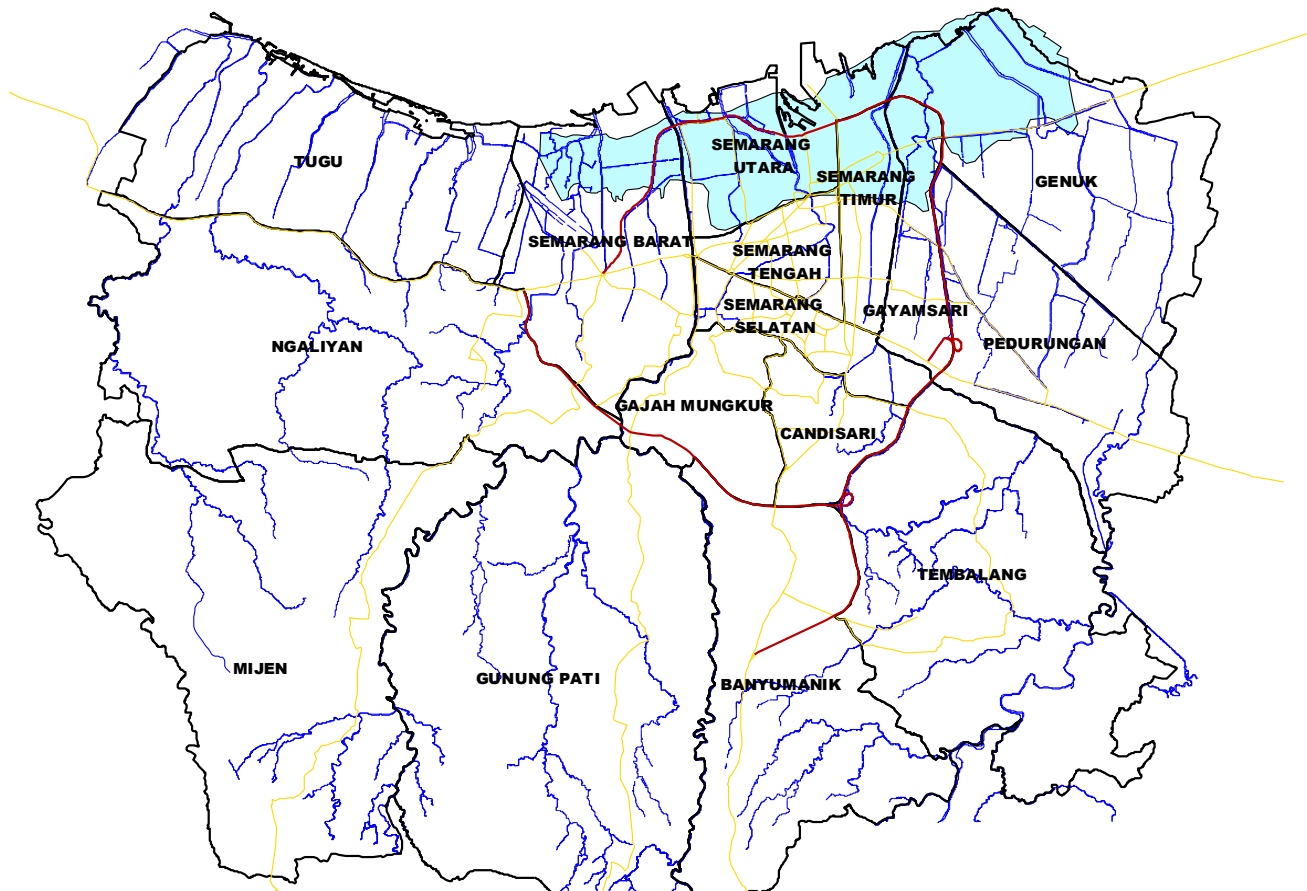
- JALAN TOL
- JALAN UTAMA
- SUNGAI
- KECAMATAN
- GENANGAN ROB

KONSULTAN

GAMBAR

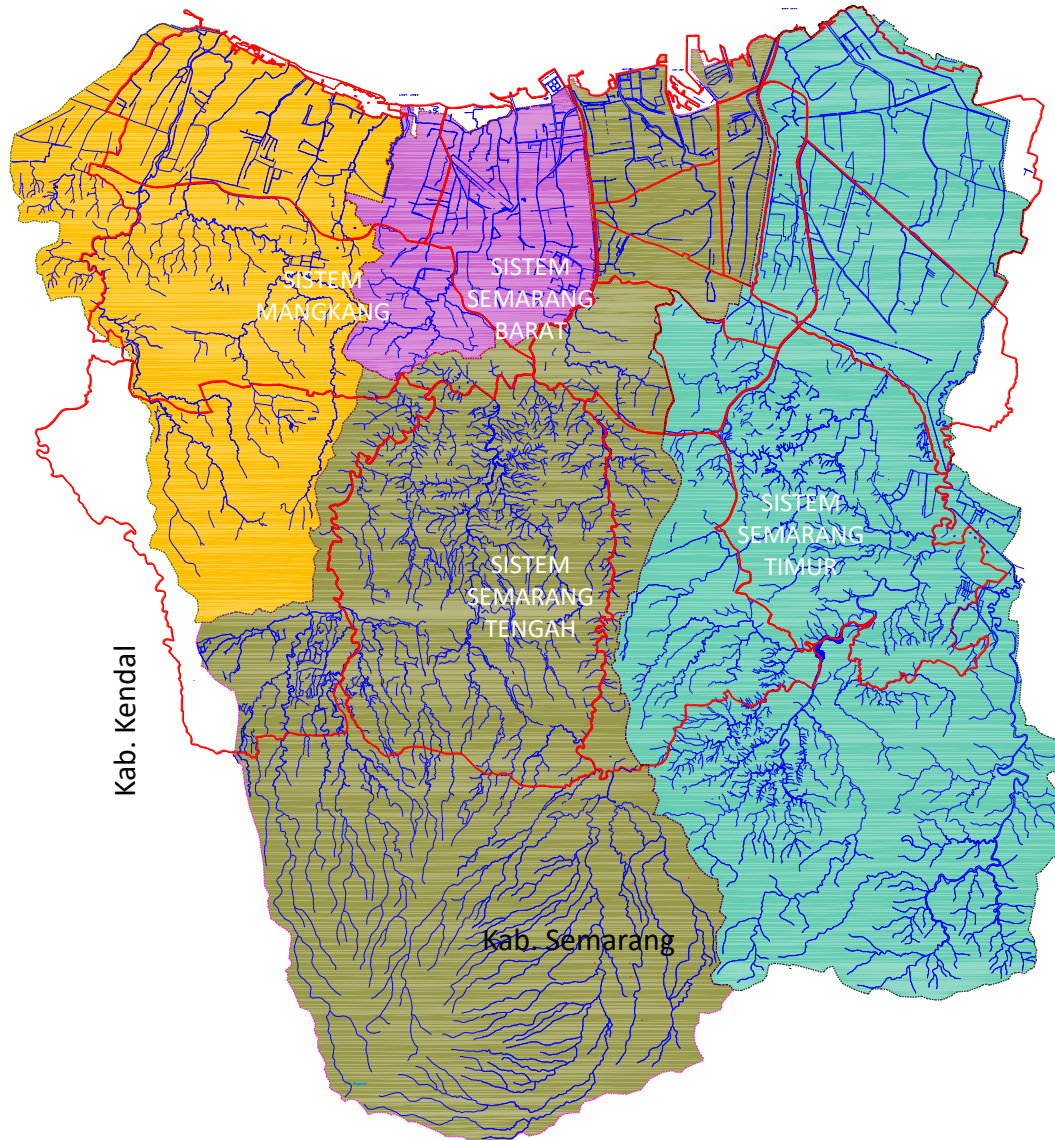
GAMBAR L3-4  
PETA GENANGAN BANJIR ROB

DIGAMBAR		
DIPERIKSA		
MENYETUJUI		
MENGETAHUI		
SKALA	NO LEMBAR	JML LEMBAR





# CONCEPT TO HANDLING THE FLOODY



## DISTRIBUTION OF DRAINAGE SYSTEMS :

### 1. Mangkang's Drainage System

1. Sub Sistem Kali Mangkang
2. Sub Sistem Kali Bringin

### 2. West Semarang's Drainage System

3. Sub Sistem Kali Tugurejo
4. Sub Sistem Kali Silandak
5. Sub Sistem Kali Siangker
6. Sub Sistem Bandara A. Yani

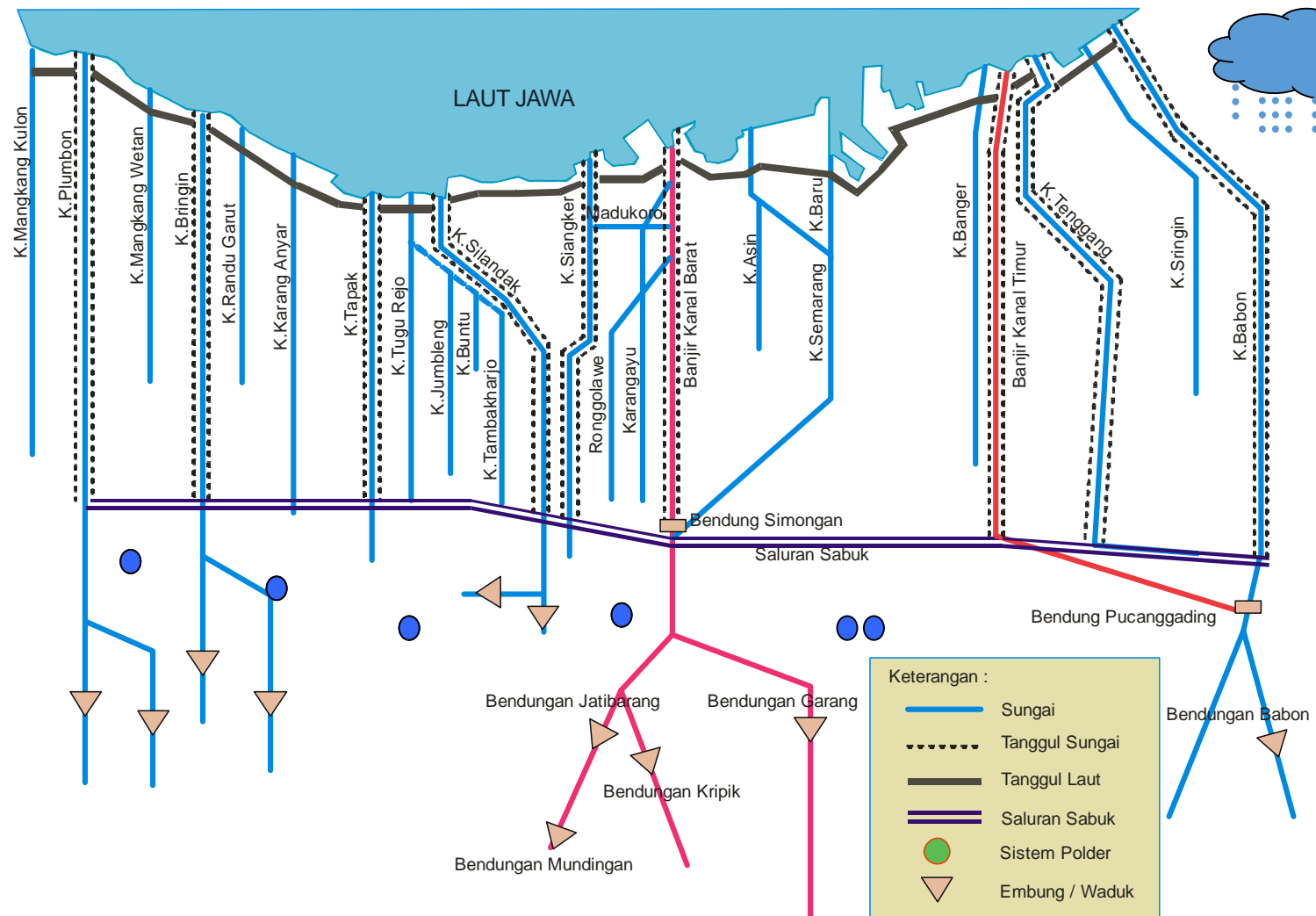
### 3. Centre of Semarang's Drainage System

7. Sub Sistem BKB
8. Sub Sistem Kali Bulu
9. Sub Sistem Kali Asin
10. Sub Sistem Kali Semarang
11. Sub Sistem Kali Baru
12. Sub Sistem Kali Bandarharjo
13. Sub Sistem Kali Simping Lima
14. Sub Sistem Kali Banger

### 4. East Semarang's Drainage System

15. Sub Sistem BKT
16. Sub Sistem Kali Tenggang
17. Sub Sistem Kali Sringin
18. Sub Sistem Kali Babon
19. Sub Sistem Kali Pedurungan

# CONCEPT TO HANDLING THE FLOODY



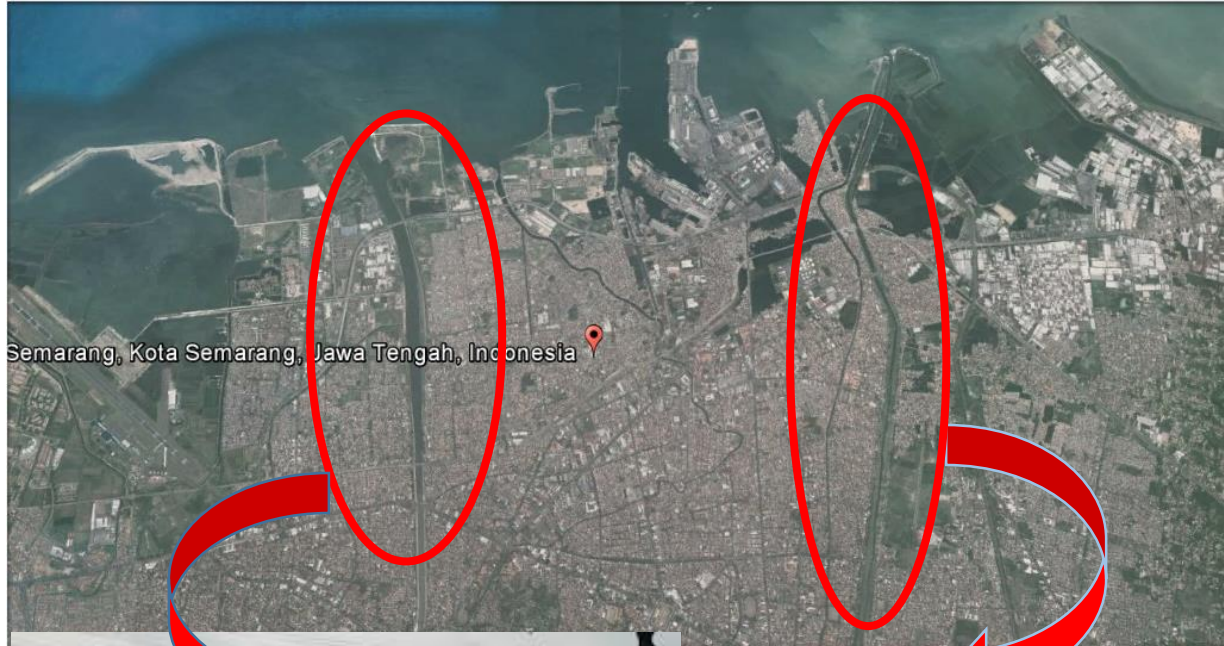




# What has and will be done to control the floody :

- ✓ Construction of Jatibarang Dam
- ✓ Development of West Flood Canal
- ✓ Development of East Flood Canal
- ✓ Normalization of the Tenggang River and Sringin River
- ✓ Construction of Semarang - Demak toll road section that also functions as sea embankmen

# Normalization of West Flood Canal and East Flood Canal

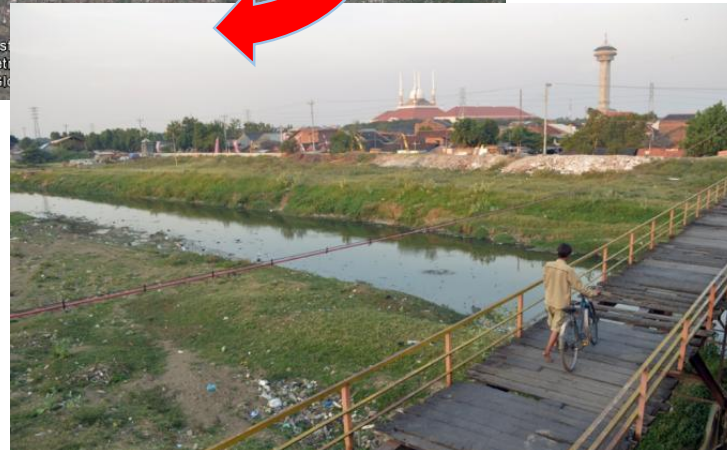


West Flood Canal is able to reduce floods in Western and Central Semarang.

**The hope of East Flood Canal is also able to reduce flood in Central and East Semarang**



West Flood Canal



East Flood Canal Condition





The construction plan of Semarang – Demak toll road also functioned as sea embankment will reduce the puddle of *rob* in Kaligawe Street so it will accelerate the flow of goods and passengers from The Port of Tanjung Mas to the east (Demak, Surabaya, etc)



# Normalization of Tenggang River and Sringin River





## **B. DEVELOPMENT OF FACILITIES AND INFRASTRUCTURE OF TRANSPORTATION PROGRAMME**





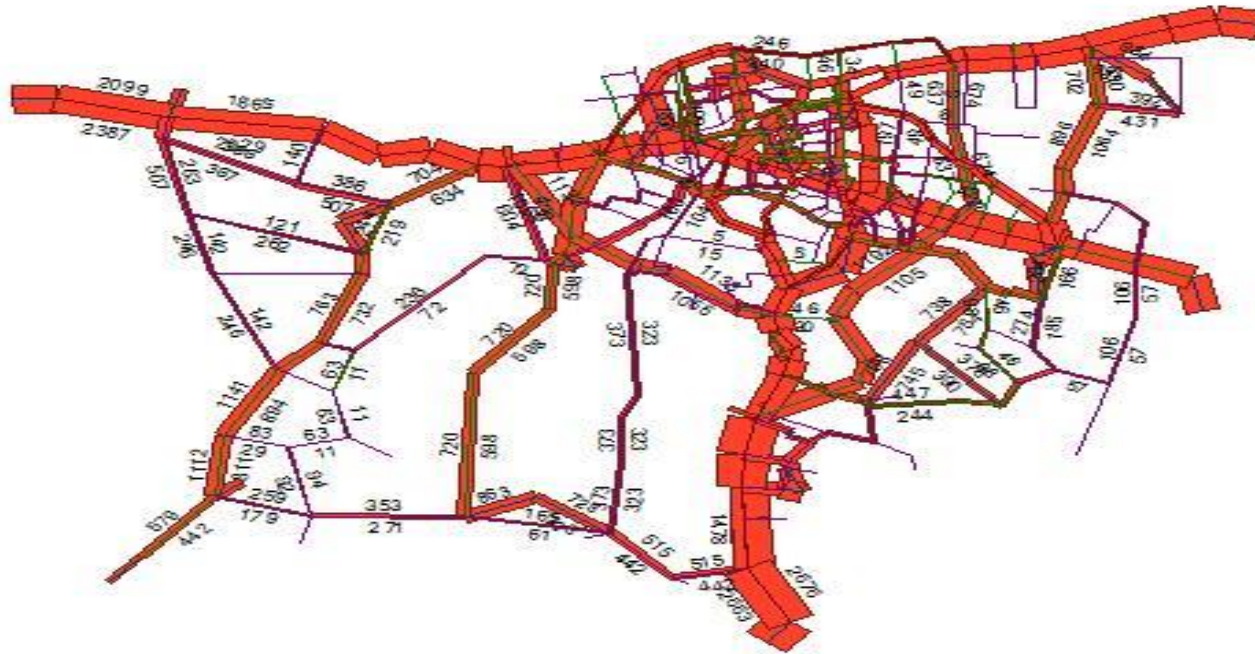
# DEVELOPMENT OF INFRASTRUCTURE TRANSPORTATION

- ***Light Rail Transit (LRT) Development;***
- ***Addition of Operational Corridor of *Bus Rapid Transit (BRT)*;***
- ***Construction of the BRT integration halte at the new airport passenger terminal of Ahmad Yani;***
- ***Construction of parking lots and loading and unloading of goods ;***
- ***Development of *Area Traffic Control System (ATCS)*.***



# TRAFFIC DENSITY CONDITIONS

*Auto volumes [volau]*



SSA Semarang  
Scenario 1: jaringan jalan existing 2013  
2013-12-26 04:40 (Personal)



**DO NOTHING or DO SOMETHING !!!!**



# STRATEGIES TO ADDRESS TRANSPORTATION ISSUES:

## I . MANAGEMENT AND TRAFFIC ENGINEERING

1. Increased road capacity by building Semarang Outer Ring Road (SORR) and fly over
2. One Way System (SSA) improve Level Of Service and decrease the VC Ratio
3. Limitation of vehicle space in CBD area and peak hours
4. The development of environmentally friendly vehicles in the college area and in The Semarang Old City
5. Application of Parking Meter on Street ( on 37 roads for 3.100 cars and 6.525 motorcycles) → Parking Management
6. Development of ATCS into 65 intersections → Intersections Management
7. The construction of truck parking facilities in Terboyo



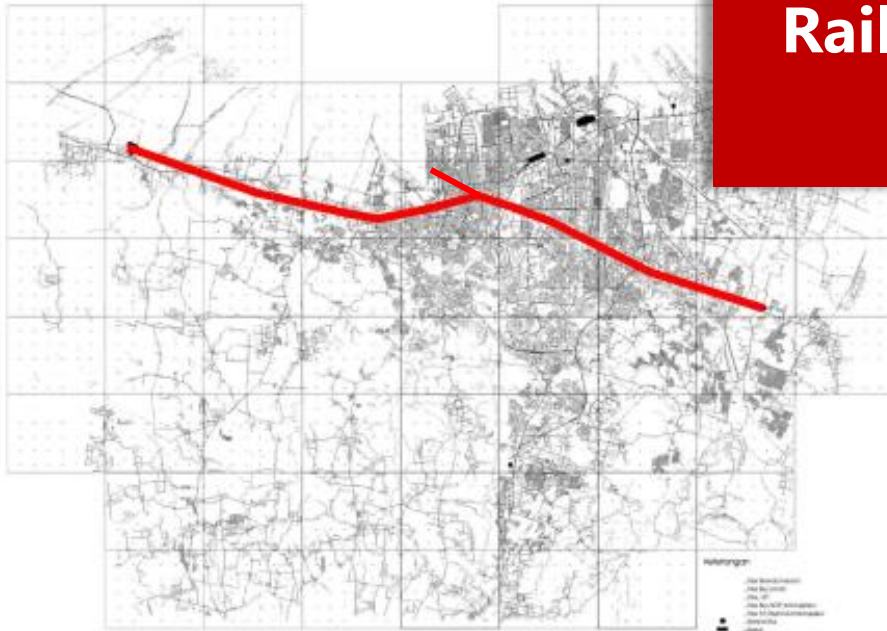


## II. IMPROVING THE QUALITY OF PUBLIC TRANSPORT

1. Development of public transport (BRT) → Main road and branch services
2. Provision of public transports feeders – Service branches and twigs
3. Interconnection between modes of transport
4. Improving the quality of service that is timely, convenient, fast, cheap, friendly for the disabled, convenient halte, vehicle age restriction and road worthy test
5. Subsidized public transport for students



# Rail-based mass transportation (LRT/Tram)



Route plan : Mangkangs Bus Station –  
Ahmad Yani Airport - Penggaron





# Tram Construction Plan



1. Built sister city with Toyama City, Japan
2. Compile urban train studies
3. City tramway plan : Gajah Mada Road –Thamrin – Pemuda- Imam Bonjol - Piere Tendean - Pemuda





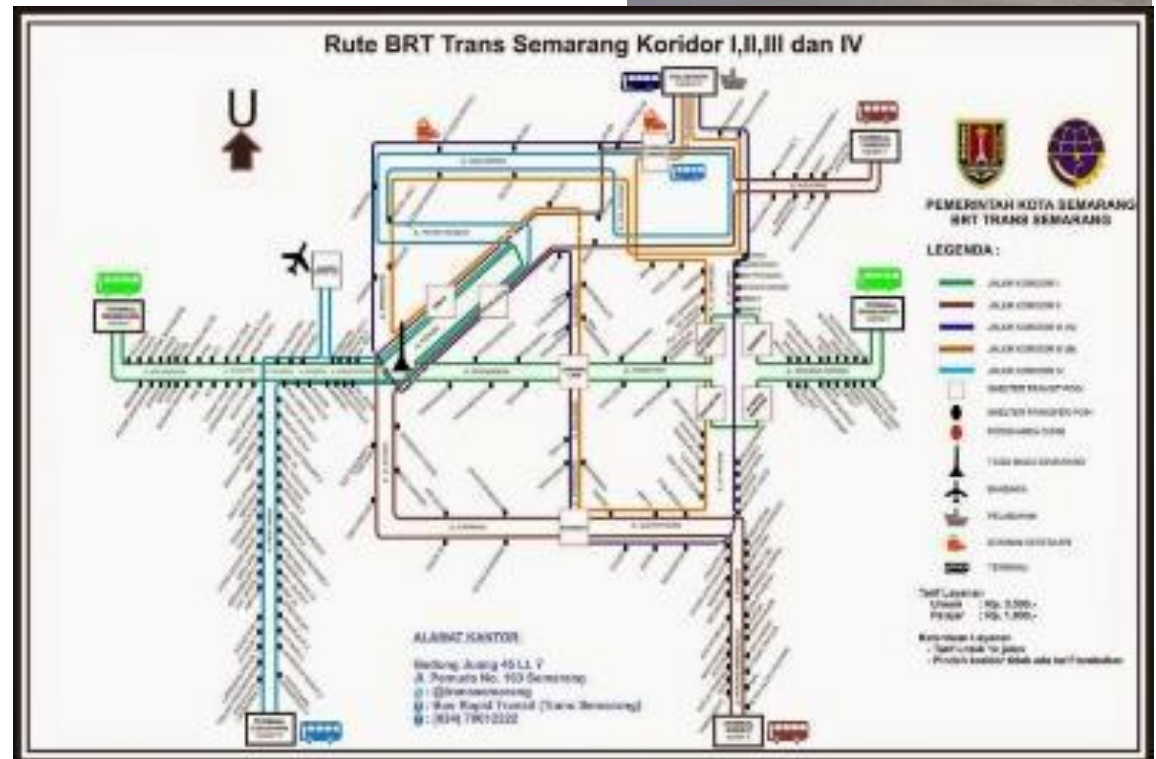
## Provision of Mass Transportation (BRT)

- Provision of environmentally friendly mass transportation
- Development of regional transportation modes



## BUS RAPID TRANSIT

- Coridor I :  
Mangkang – Penggaron
- Coridor II:  
Terboyo – Sisemut
- Coridor III :  
Taman Diponegoro –  
Pelabuhan Tanjung Mas
- Coridor IV :  
Cangkiran –A. Yani  
Airport – Tawang  
Railways Station
- Coridor V  
PRPP-Meteseh
- Coridor VI  
Campus Undip-Unnes



# Kedungsepur Regional Transport (Kendal, Semarang City, Semarang District, Demak, Grobogan)

## ○ Service Integration

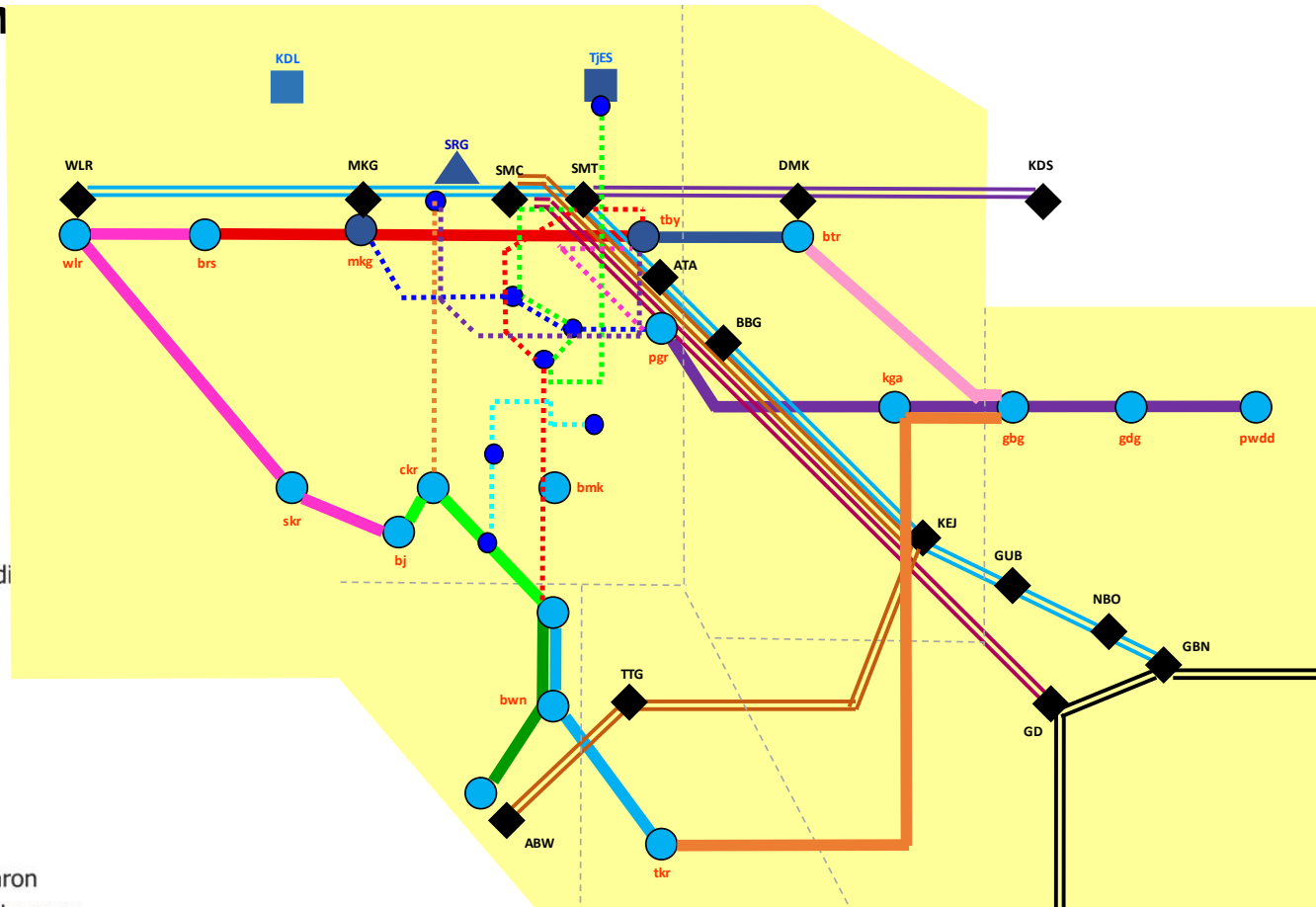
### KAWASAN STRATEGIS:

- : BREGASMALANG
- : PETANGLONG
- : KEDUNGSEPUR
- : WANARAKUTI
- : BANGLOR
- : BARLINGMASCAKEB
- : PURWOMANGGUNG
- : SUBOSUKOWONOSRATEN

### KORIDOR BST/BRT:

- : BST koridor Kendal-Semarang
- : BST koridor Semarang-Demak
- : BST koridor Semarang-Purwodadi
- : BST koridor Ungaran-Salatiga
- : BST koridor Ungaran-Ambarawa
- : BST koridor Salatiga-Godong
- : BST koridor Ungaran-Boja
- : BST koridor Boja-Weleri
- : BST koridor Demak-Godong

- : BRT koridor-1 Mangkang-Penggaron
- : BRT koridor-2 Terboyo-Sisemut, Ungaran
- : BRT koridor-3 Tj.Emas-Kaliwiru-S5-Pemuda-Tawang-Tj.Emas
- : BRT koridor-4 Ahmad Yani-Cangkiran
- : BRT koridor-5 Campus to Campus (Undip-Unnes)
- : BRT koridor-6 Ahmad Yani-S5-Bangetayu-Terboyo
- : BRT koridor-7 Penggaron-Johar-Terboyo









## Green Transport Environmentally Friendly :

- Changing the use of fuel to gas or electricity
- **Environmentally friendly mass transportation**
- Quality mass transportation
  - Pedestrian-friendly walking spaces and bicycle users
- Improve health and ecosystem



## C. SMART CITY DEVELOPMENT

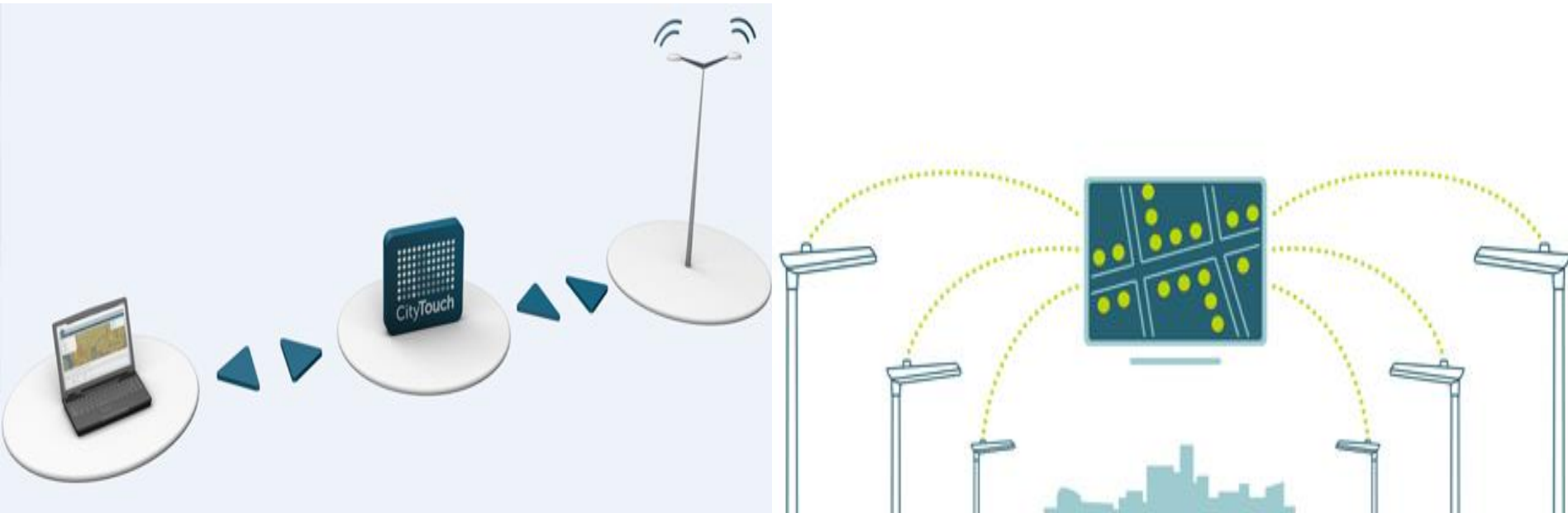




- ATCS (Android based applications)
- Used of LED lamps for general street lighting
- Licensing process online  
(<http://www.semarangkota.go.id/>)
- Using of Geographic Information System



# Application of city touch technology on general street lighting



**Each installed lamp is equipped with smart system technology called City Touch for operational management and asset management.**



# LICENSING PROCESS ONLINE

Mozilla Firefox Start Page | World Cities Indonesia - Del... | PEMERINTAH KOTA SEMARANG | Twitter. It's what's happenin... | +

www.semarangkota.go.id 90% Search

**PEMERINTAH KOTA SEMARANG**  
semarangkota.go.id

BERANDA BERITA INFORMASI PETA SITUS KONTAK PROFIL ID EN JW CH

Pencarian Informasi Cari

**Berita Terbaru** indeks

17 MEI 2017 07:30 WIB  
**Pelabuhan Rakyat di Tambaklorok Segera Terrealisasi**  
Penandatanganan MoU antara Pemerintah Kota Semarang dan Pelindo III terkait pemanfaatan daerah lingkungan kerja (DLKr) untuk lokasi program perbaikan kualitas lingkungan serta pengembangan maritim di Kawasan Pelabuhan Tanjung Mas dilaksanakan Senin (

19 MEI 2017 08:55 WIB  
**4700 Lampion Diterbangkan Di Festival Banjir Kanal Barat 2017**  
Semarang, 18/5 (BeritaJateng.net) - Sebanyak 4700 lampion diterbangkan warga masyarakat kota Semarang dan para pejabat Pemkot Semarang pada puncak acara Festival Banjir Kanal Barat 2017 di bantaran Sungai, Kamis (18/5) malam. Walikota Semarang Hendra

**SELAMAT DATANG DI PORTAL PEMERINTAH KOTA SEMARANG**

**Prakata**

**Informasi & Dokumentasi** +

**Aplikasi Sistem** +

Aplikasi Mobile

Penyelenggaraan Pemerintahan

Layanan Publik

**Perijinan**

**SILK**  
Indonesian LEGAL Wood

**Badan Lingkungan Hidup**

**National Forest Monitoring System**

**Ijin Usaha Mikro dan Kecil Online**

**Pendaftaran KRK Online**

**APLIKASI PERIJINAN**


Transferring data from www.semarangkota.go.id...

7:42 19/05/2017

# PUBLIC SERVICE ONLINE

Mozilla Firefox Start Page | World Cities Indonesia - Del... | PEMERINTAH KOTA SEMARANG | Twitter. It's what's happenin... | +

www.semarangkota.go.id 70% Search



H. Hendrar Prihadi, SE, MM, Walikota Semarang  
H. Hg. Hengawita G. Rahayu, Wakil Walikota Semarang

Taman Balikota

semarang variety of culture

saat ini mendunia dengan sebutan kampung pelangi, Walikota Hendrar Prihadi kembali siap dengan gebrakan penataan tahap kedua. Hal ini disampaikan Walikota usai jalan sehat bersama warga

17 MEI 2017 23:40 WIB

**Jelang Bulan Suci Ramadhan Pemkot Gelar Rakor Ekuinda**  
Bulan Ramadhan yang kurang lebih satu minggu lagi membuat Wali Kota Semarang Hendrar Prihadi beserta jajaran Pemerintah Kota Semarang bersiap diri. Dalam Rakor Ekonomi, Keuangan, dan Industri Daerah (Ekuinda), yang digelar pada Rabu (17/5) di Ruang L.

17 MEI 2017 11:18 WIB

**HENDI AJAK WAJIB PAJAK BAYAR PAJAK PBB**

BE SMART CITY : Based on E-gov, Semarang More Accountable, Realistic and the Transparent City.

## Layanan Publik

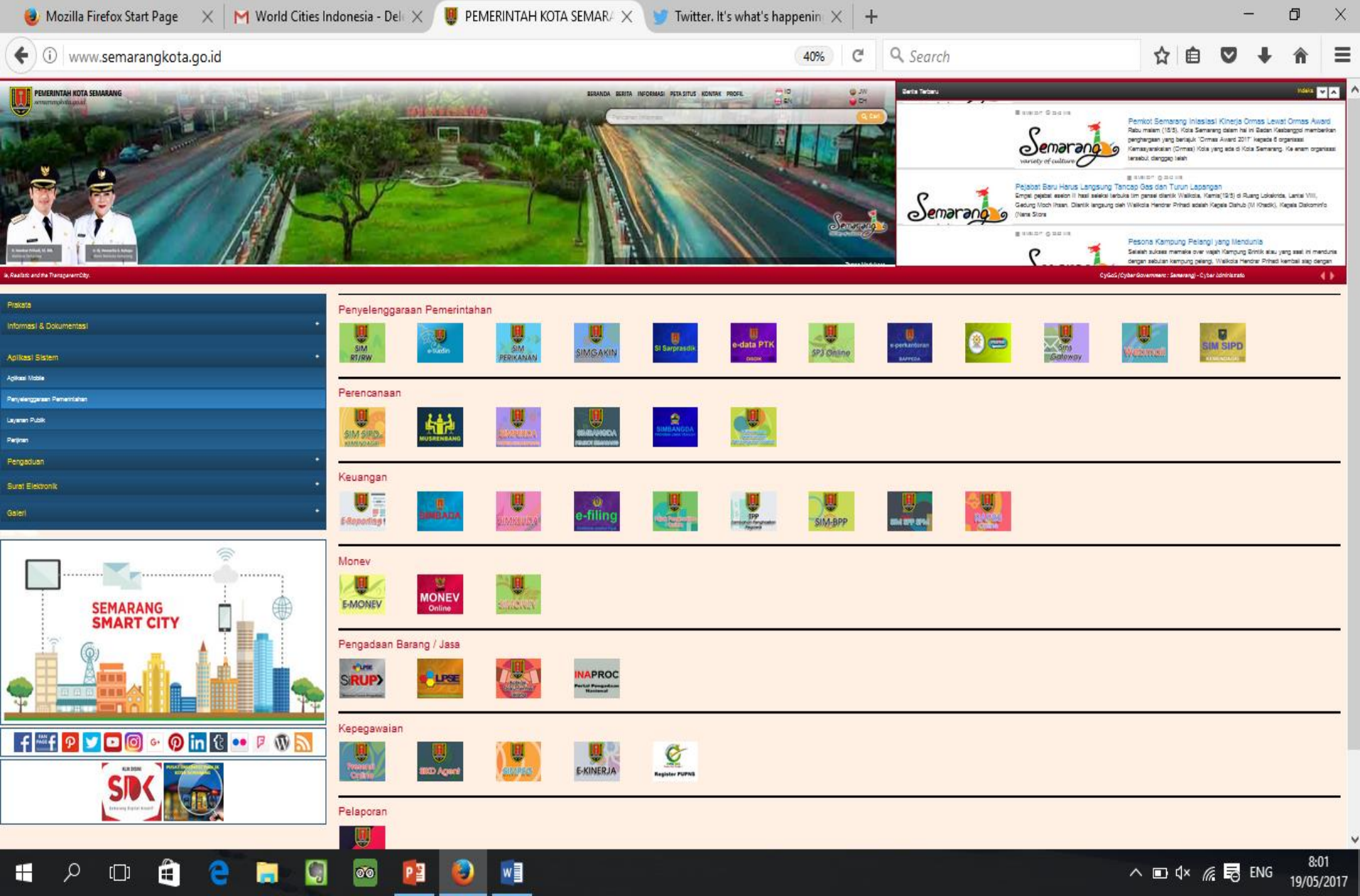
Ketersediaan tempat tidur rumah sakit	E-PBB	Wajib Pajak	SIM PAK Kota Semarang	Bursa Kerja Online	Paspor Online	SMART REPORT
Pendaftaran AKI	PUSKESMAS	Jiwasraya SIMASKIN	Education Game (LITBANG BAPPEDA)	Get Status KIP/NIK	BOS Bantuan Operasional Sekolah	SIJAKON
Satu Layanan	pdam Informasi Tagihan PDAM	SIMREG	Info KRK	Pendaftaran Online RSUD Kota Semarang	NISN Nomor Induk Siswa Nasional	Informasi Pajak Kendaraan
SIM-DBD	BKPM Online SPIPISE	Pajak Kendaraan online	JAMKESMAS SIM	Data Rumah Sakit	Jasa KEUANGAN	PPD SIMG
Pengelolaan Online (Pengelolaan Kandang)						

SEMARANG SMART CITY

Windows taskbar: 7:57 19/05/2017



# ONLINE GOVERNMENT ADMINISTRATION





# SEMARANG CITY PARK INFORMATION SYSTEM



# SEMARANG CITY PARK INFORMATION SYSTEM






## Peta

Nama Taman	TIRTO AGUNG
Koordinat X	110.4274346041245
Koordinat Y	-7.064121926620633
Skala	PEMKOT
Jalan	JL. TIRTO AGUNG
Kecamatan	BANYUMANIK
Kelurahan	PEDALANGAN
Luas	13882.316
Status	PEMKOT
Keindahan	TERAWAT







# SEMARANG CITY PARK INFORMATION SYSTEM



## EKOLOGIS

No	Nama Pohon	Nama Latin	Jumlah	Jenis	Kondisi			Foto	Keterangan
					Tinggi	Lebar Batang	Usia		
1	KETAPANG	Terminalia catappa L	22	TAHUNAN	3.50	15.00	0		BAIK
2	KETAPANG KENCANA	Terminalia mantaly	1	TAHUNAN	2.50	10.00	0		BAIK
3	KAYU PUTIH	Melaleuca Leucadendron	5	TAHUNAN	4.00	25.00	0		BAIK

## SOSIOLOGIS

No	Jenis	Jumlah	Kondisi	Foto	Keterangan
1	PENERANGAN 1T 1L (72)	72			
	PENERANGAN 1T 5L	1			
3	PENERANGAN 1T 2L (7)	7			
4	PENERANGAN 1T 4L (2)	2			

## HIDROLOGIS

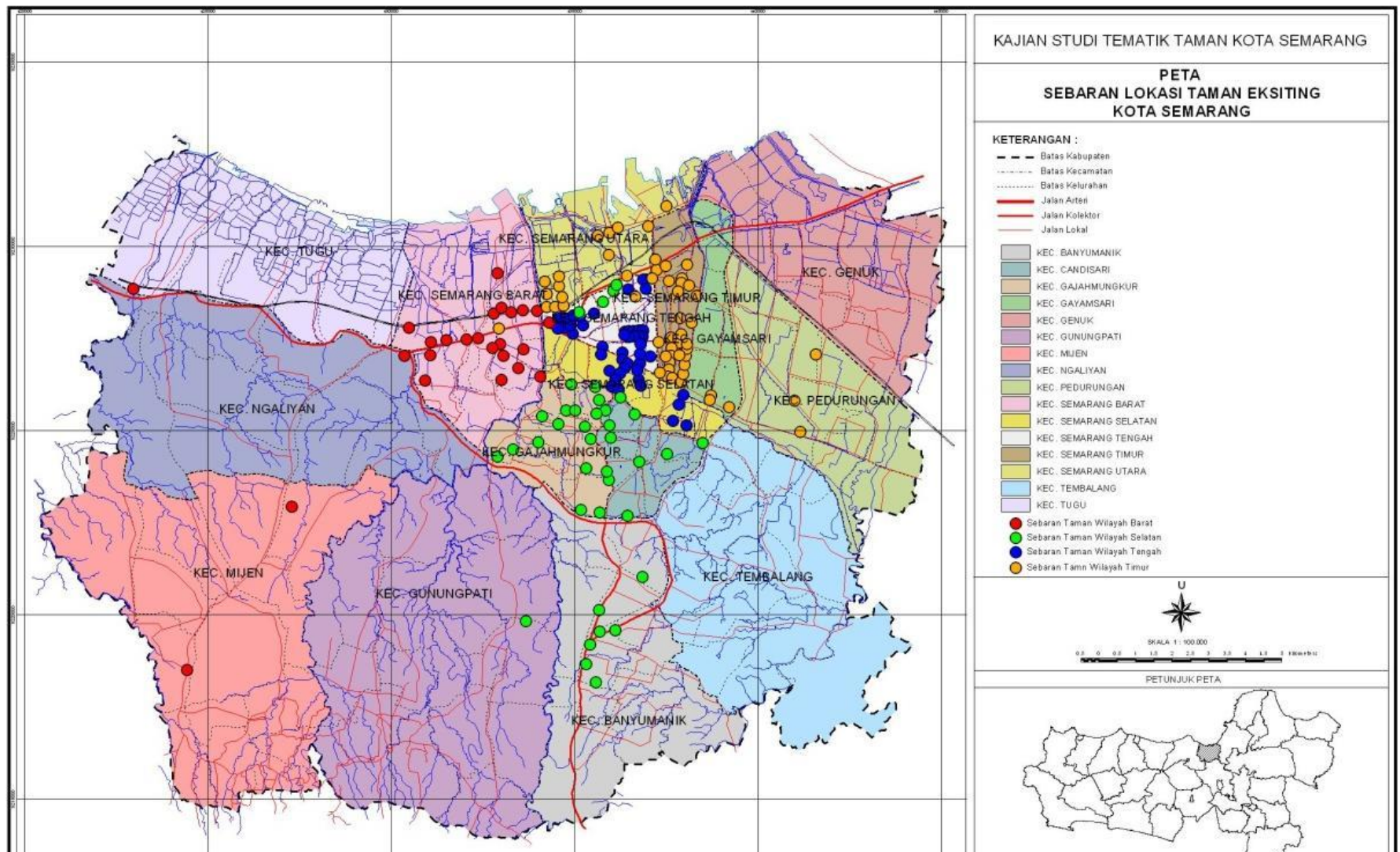
No	Jenis	Jumlah	Kondisi	Foto	Keterangan
1	SUMUR RESAPAN	1	SEDANG		
2	SELOKAN	1	SEDANG		





## **D. THE ADDITION OF GREEN OPEN SPACE**





Kondisi eksisting ruang terbuka hijau di Kota Semarang jika menurut kriteria Permendagri Nomor 1 Tahun 2007 adalah sebesar 52,31 % dari luas wilayah. Sedangkan jika menurut kriteria Permen PU Nomor 5 Tahun 2008, luas ruang terbuka hijau di Kota Semarang hanya seluas 7,5 % dari seluruh wilayah.



# **GREEN OPEN SPACE DEVELOPMENT STRATEGY**

## **DEVELOPMENT STRATEGY :**

- 1. PARK**
- 2. GREENING THE ROAD**
- 3. DECORATION**





Mijen City Forest Park Area of 30,000m<sup>2</sup>) Campsite for Earth Campground in Jatirejo, Gunungpati Area 50.000 m<sup>2</sup>

# PARK DEVELOPMENT STRATEGY

(Business Fulfillment of green open space target 20% and Increase of Ecological, Sociological, Aesthetic, Economic Benefit)

## 1. Development of Parks in Development Areas

- ➔ 8 Parks with area > 5000 m<sup>2</sup> in 8 Subdistricts in Semarang Town Development Area (Tugu Sub-district, Ngaliyan, Mijen, Gunungpati, Banyumanik, Tembalang, Pedurungan, Genuk)

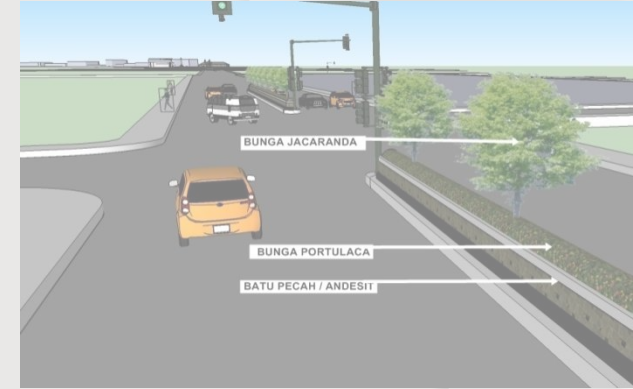
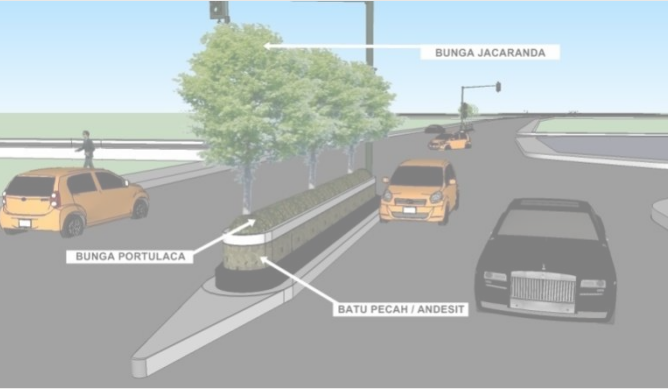
## 2. Development of Park in Central City Area

- ➔ Parks with area <2 500 m<sup>2</sup> on 8 Subdistricts in City Center area (Centrale Semarang Subdistrict,, Candisari, Gayamsari, Gajahmungkur)

## 3. Construction of Tematik Park

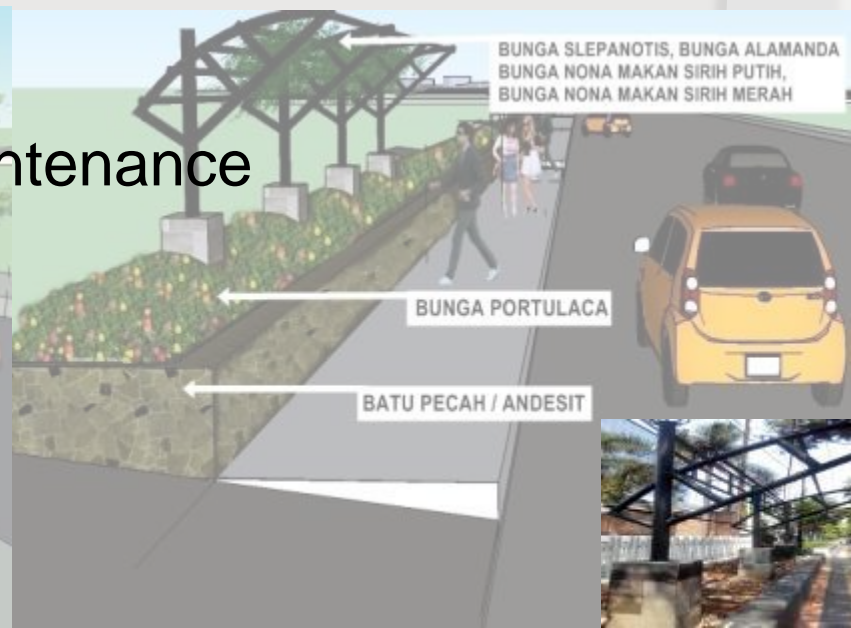
- ➔ Mijen City Forest Park (Area of 30,000 m<sup>2</sup>)
- ➔ Campsite for Earth Campground in Jatirejo, Gunungpati (Area 50.000 m<sup>2</sup>)
- ➔ THE OLD CITY PARK
- ➔ TRAFFIC GARDEN





# STRATEGY FOR DEVELOPMENT AND MAINTENANCE OF MEDIAN ROAD :

1. Development of the Flower Lane
2. Development of Planst Pot
3. Plant Replacement and Plant Maintenance



SEMARANG

HEBAT!