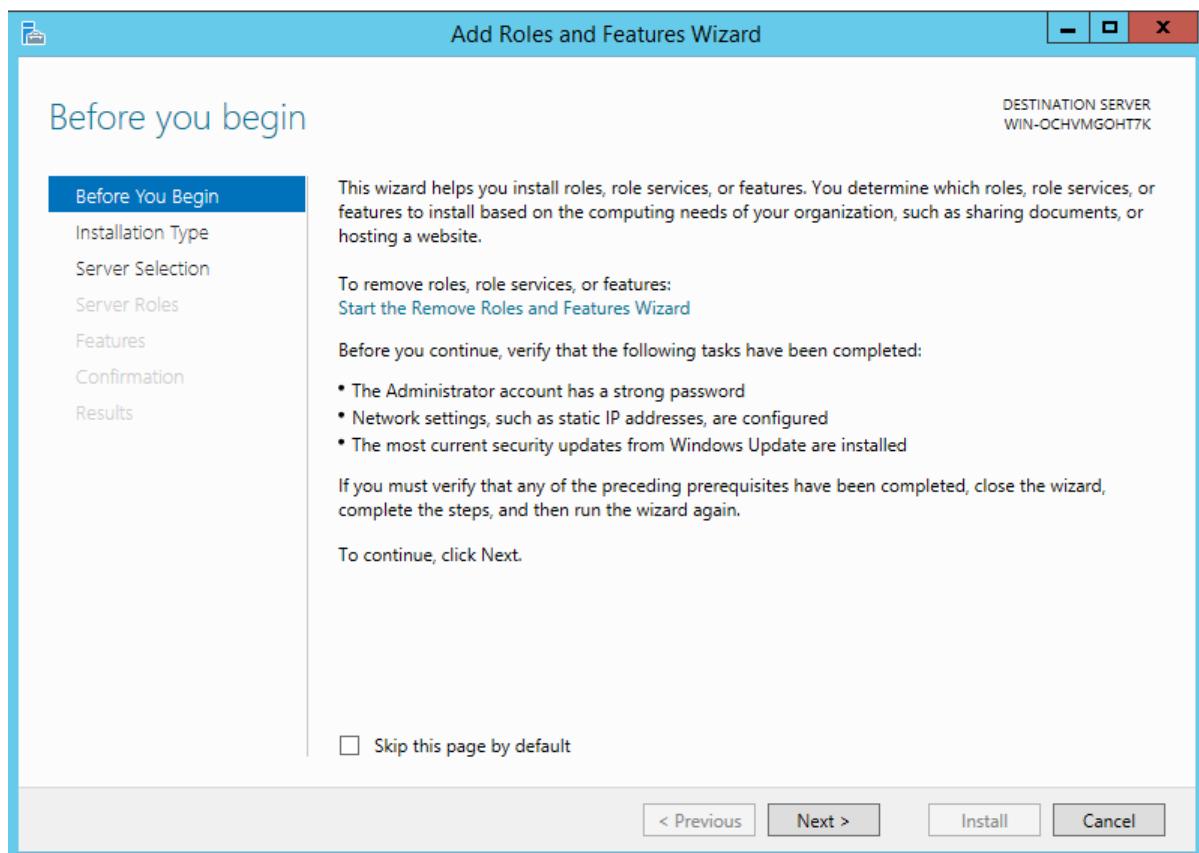
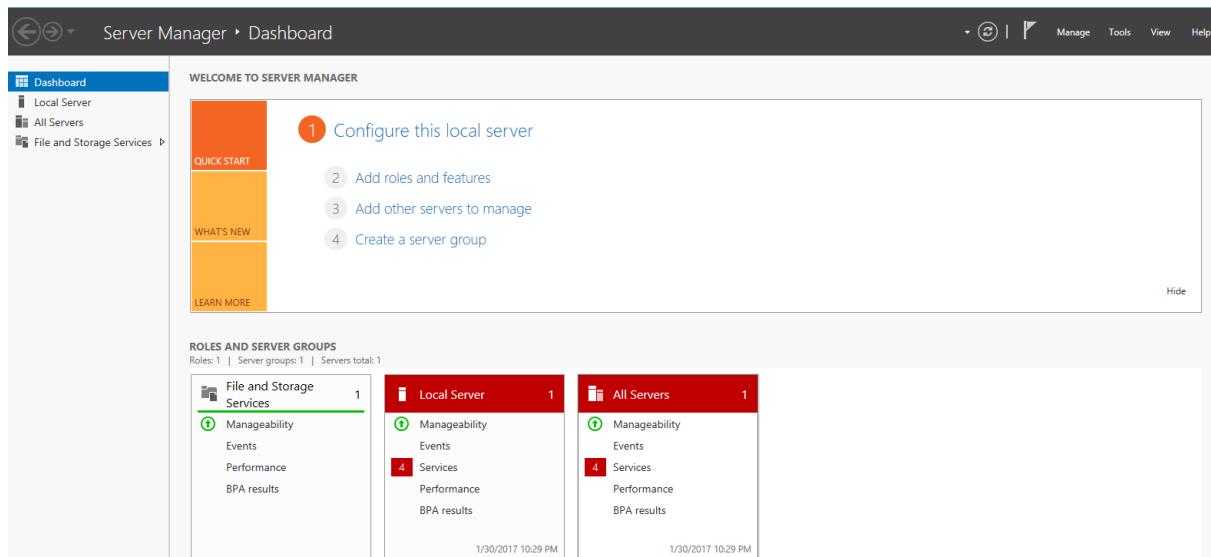
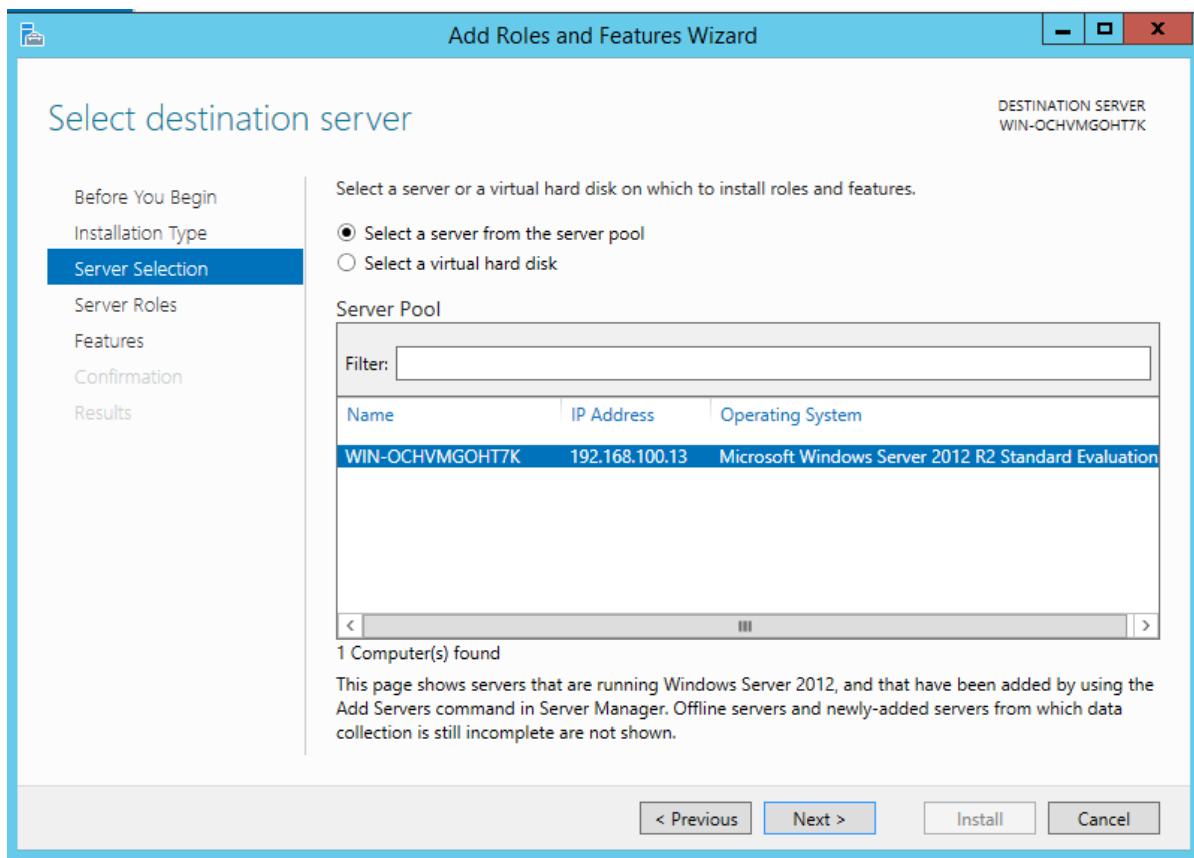
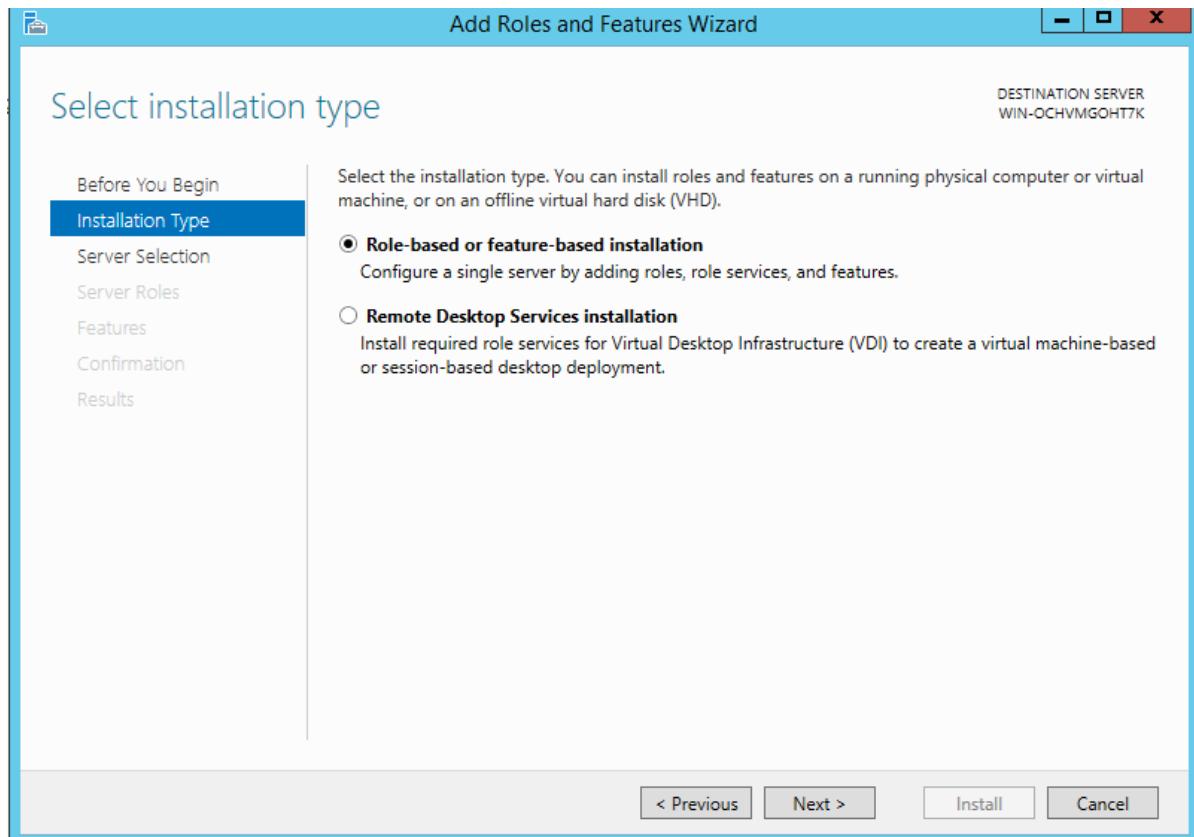
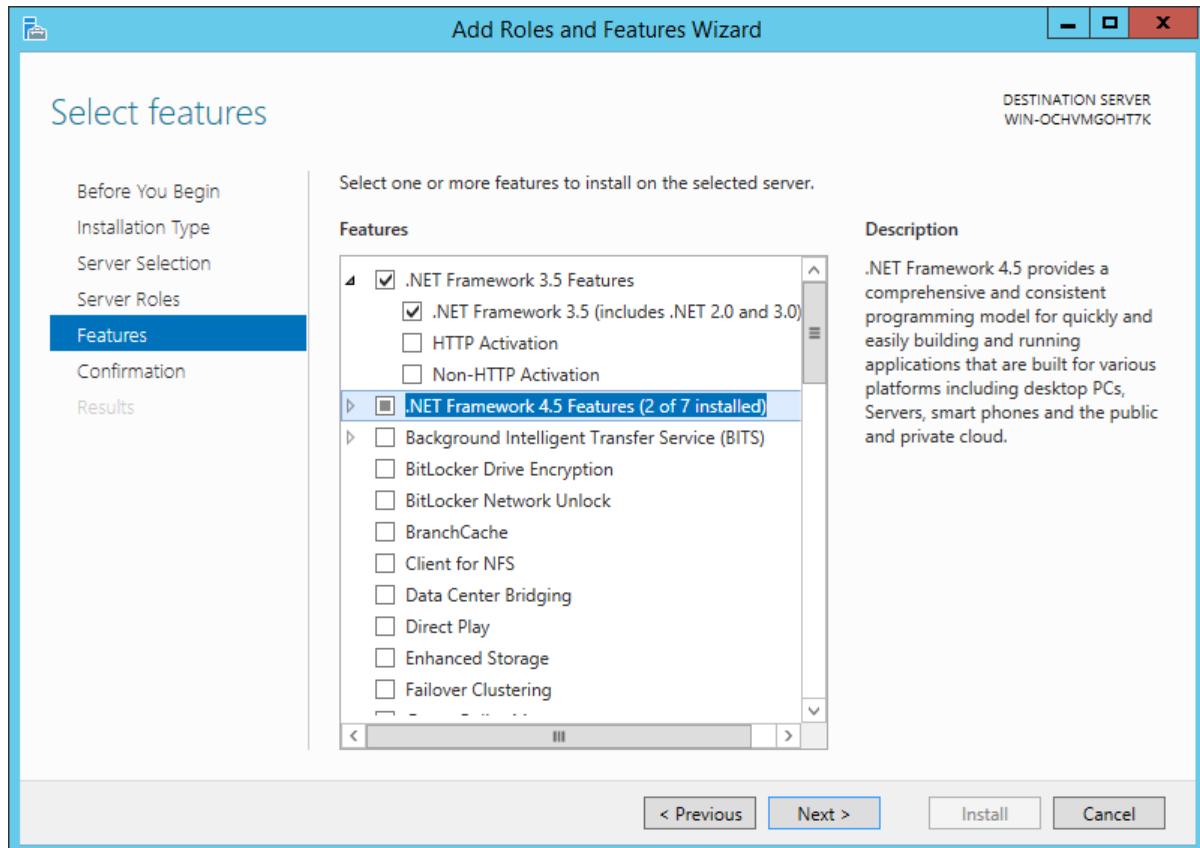
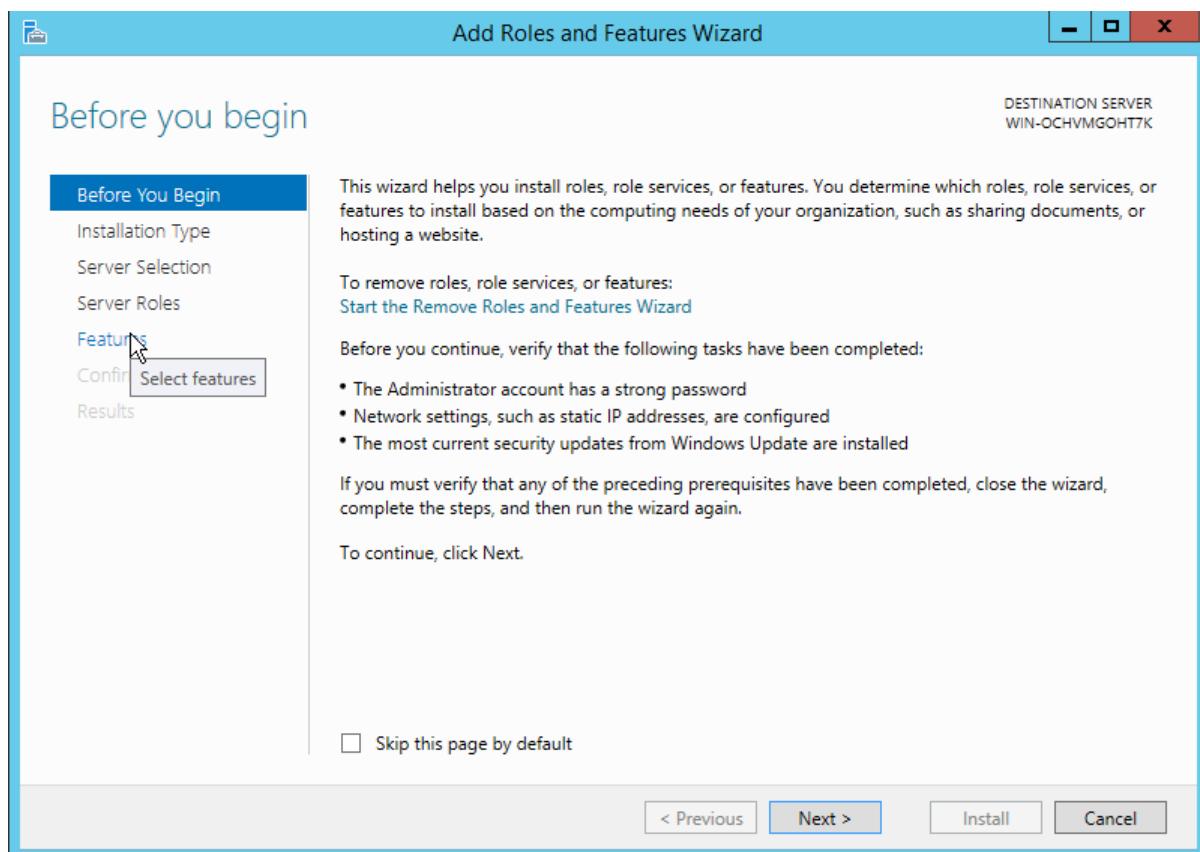


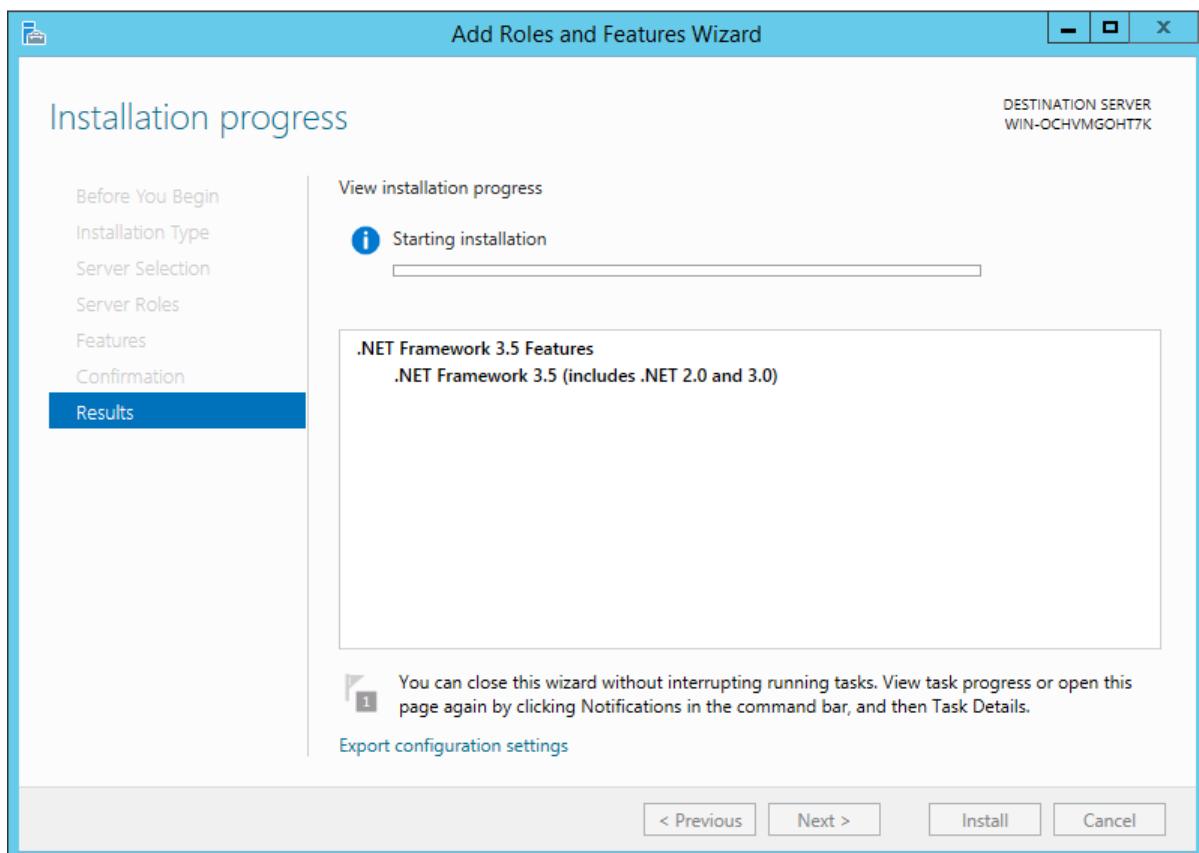
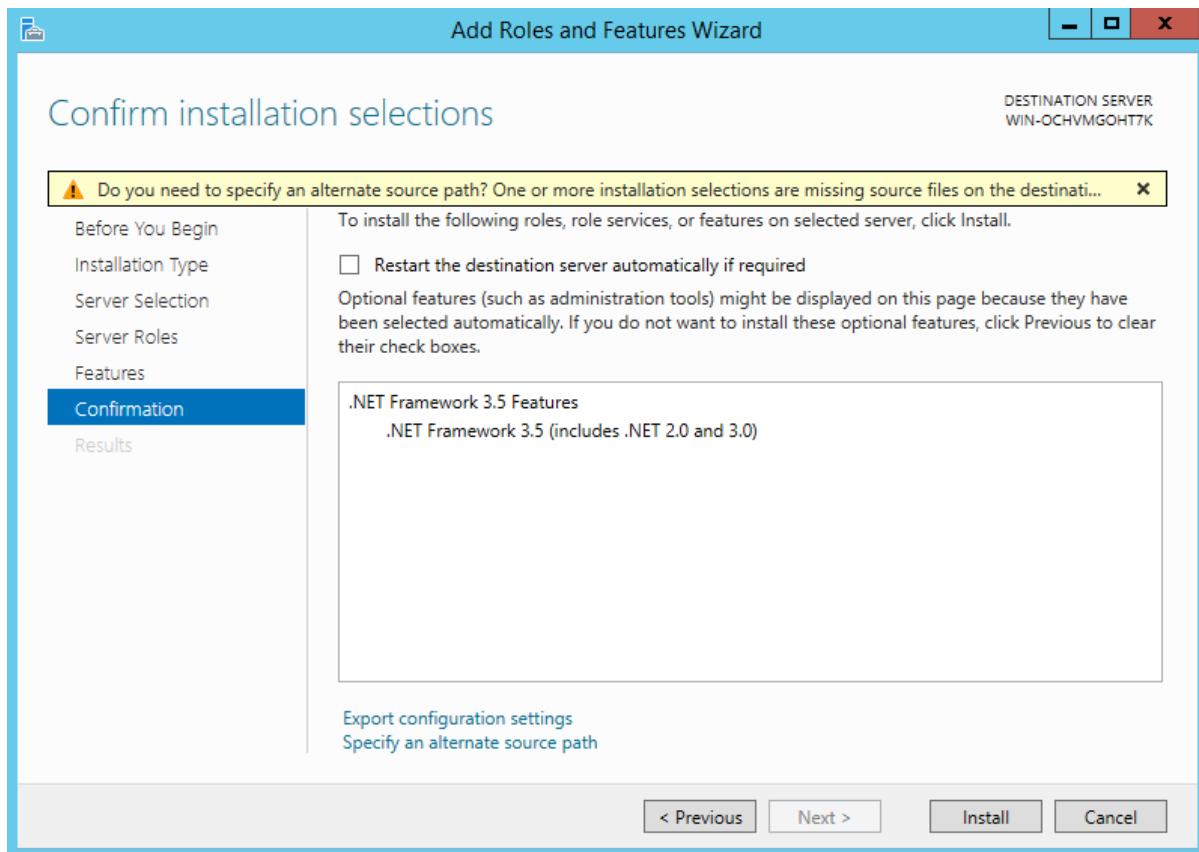
**Panduan Menginstal Program Palapa
Versi Window
Dengan Batch File**

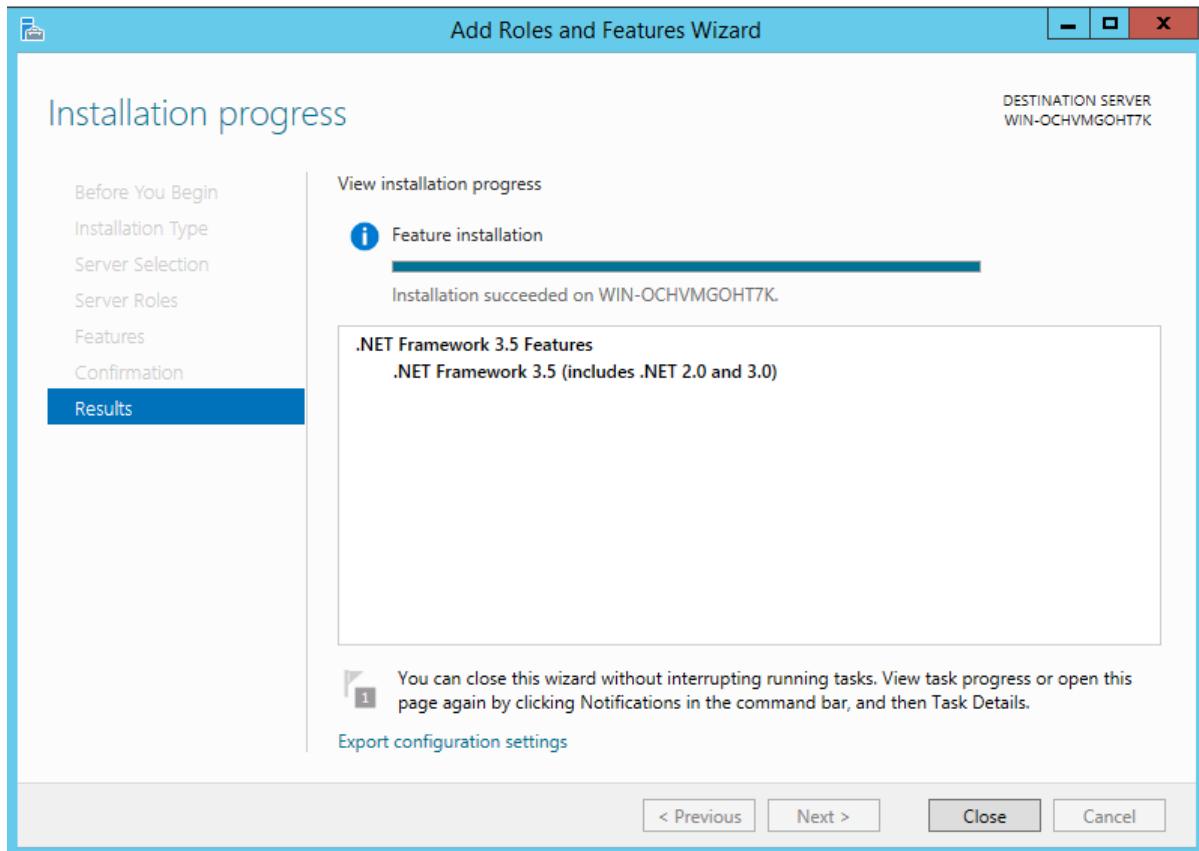
ISNTALASI NET FRAMEWORK 3.5 MELALUI SERVER











INSTALASI PYTHON DAN SETTING IPADDRESS

DENGAN bat_palapa1.bat

Buka Folder BAHANPALAPA ketikan di prompt bat_palapa1.bat kemudian Tekan 1.

```
Selamat Datang Proses Instalasi Aplikasi Palapa Ver 3
System Window Server
Badan Informasi Geospasial
Tahun 2017

[1] Mulai Instalasi Python 2.7 dan Menentukan IPAddres
[2] Batal Instalasi

Pilihan [1-2] : _
```

Isikan IPAddress sesuai dengan komputer masing-masing

```
Windows IP Configuration

Ethernet adapter Ethernet:

  Connection-specific DNS Suffix  . . . . . : fe80::991d:2832:e41:6036%12
  Link-local IPv6 Address . . . . . : 192.168.100.13
  IPv4 Address . . . . . : 192.168.100.13
  Subnet Mask . . . . . : 255.255.255.0
  Default Gateway . . . . . : 192.168.100.1

Tunnel adapter Teredo Tunneling Pseudo-Interface:

  Connection-specific DNS Suffix  . . . . . : 2001:0:d5c:5a30:3c97:2bdf:3f57:9bf2
  Link-local IPv6 Address . . . . . : fe80::3c97:2bdf:3f57:9bf2%14
  Default Gateway . . . . . : ::

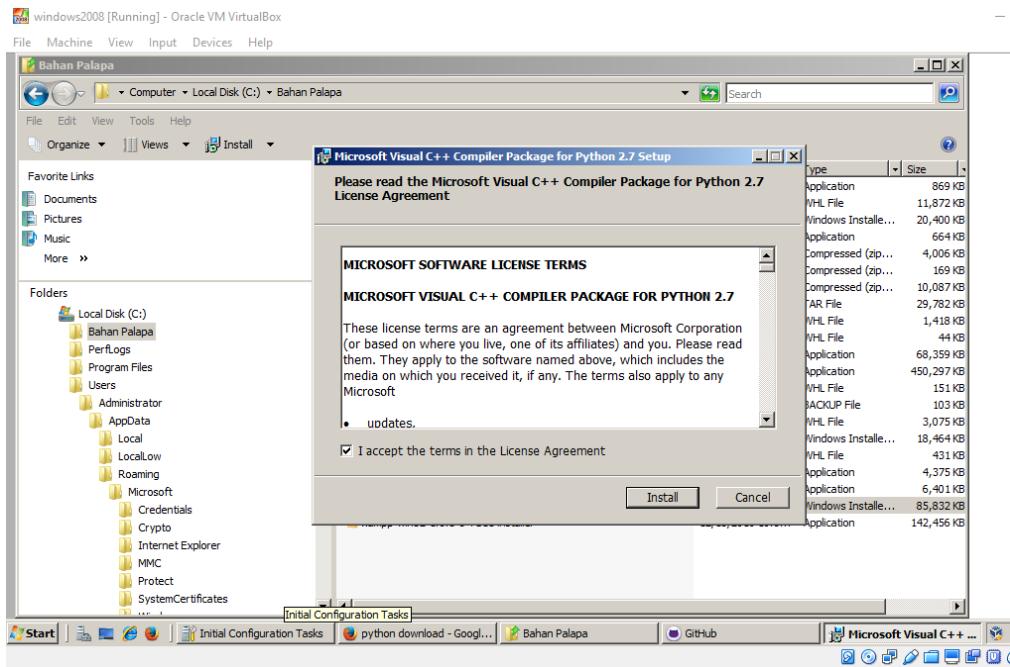
Tunnel adapter isatap.{9080D1E0-40B8-4D69-9E6E-D242EFF178CC}:

  Media State . . . . . : Media disconnected
  Connection-specific DNS Suffix  . . . . . :

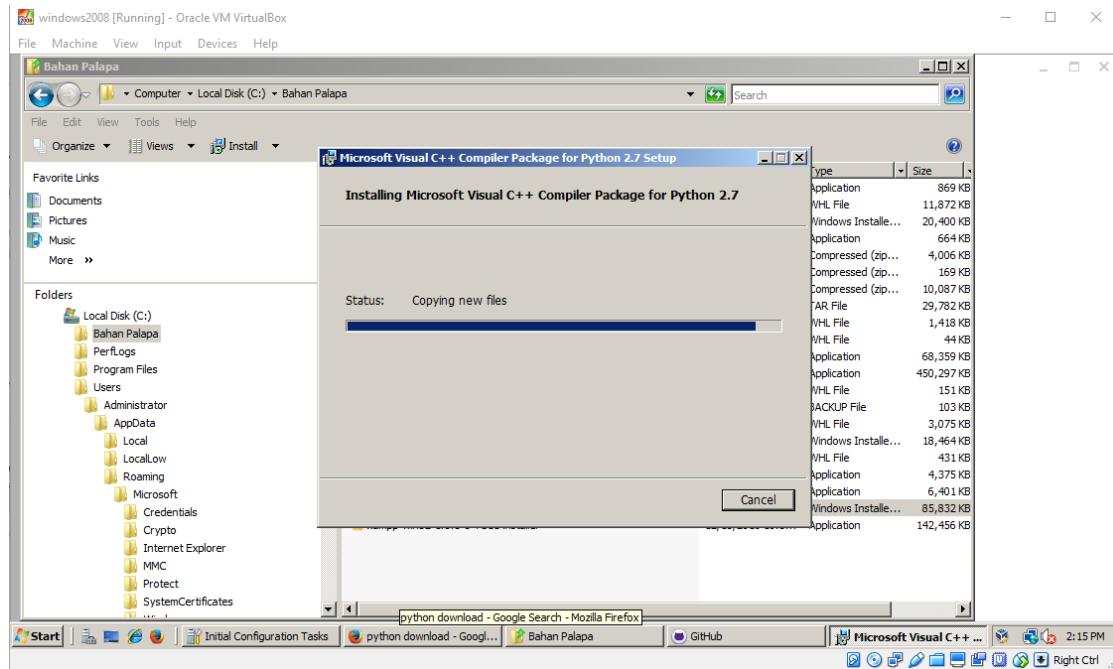
E:\>set /p inputip=Masukan ip computer:
Masukan ip computer: _
```

Menginstall python 2.7.12

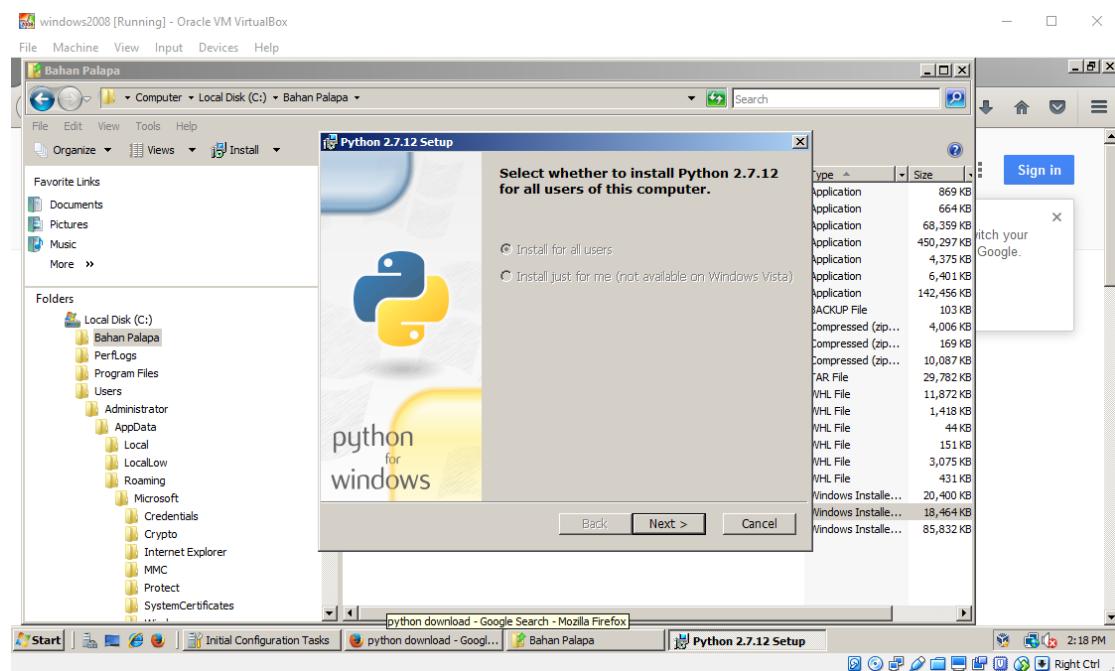
- Dari folder BAHANPALAPA cari file python-2.7.12.exe kemudian double klik file tersebut. Lanjut klik tombol Install.



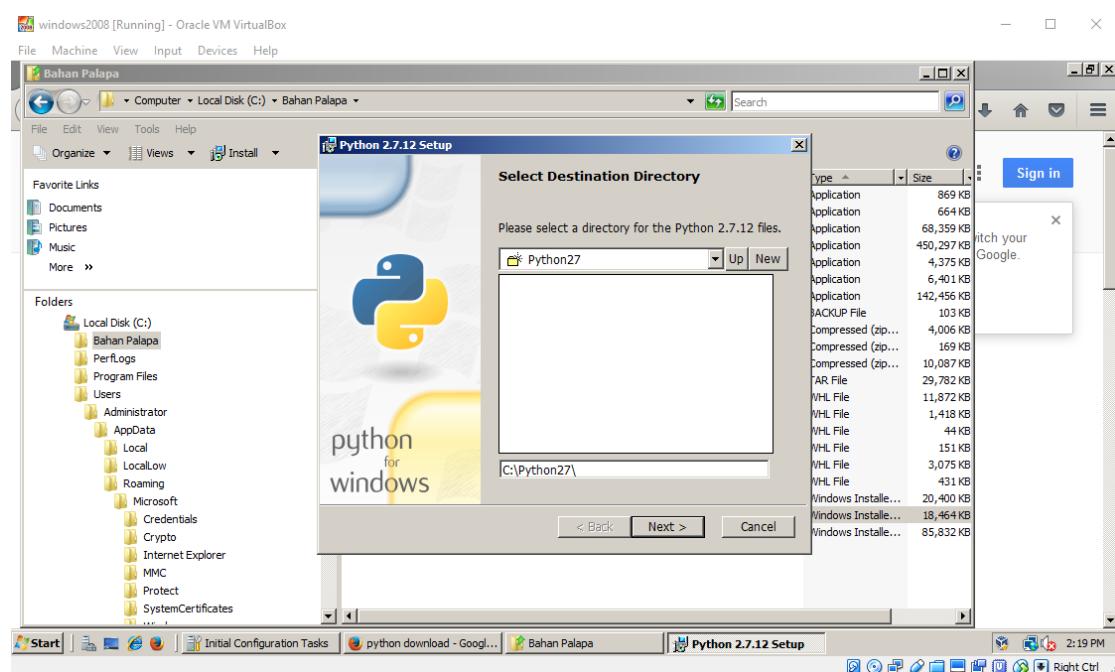
- Tunggu proses instalasinya.



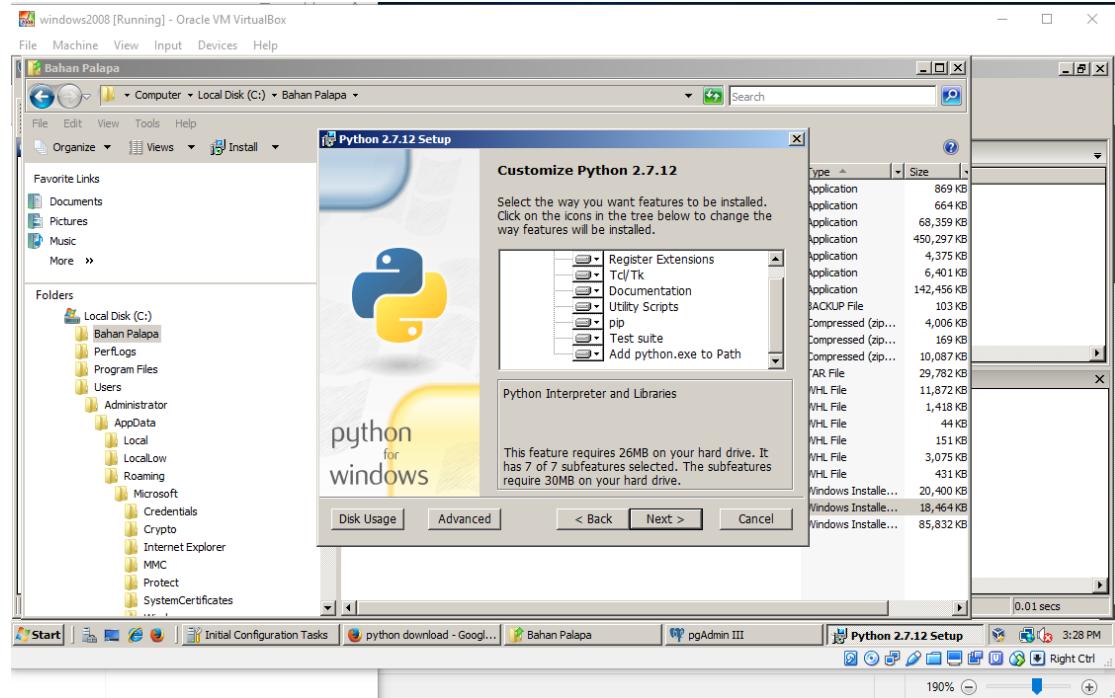
- Tekan tombol next untuk lanjut proses instalasi.



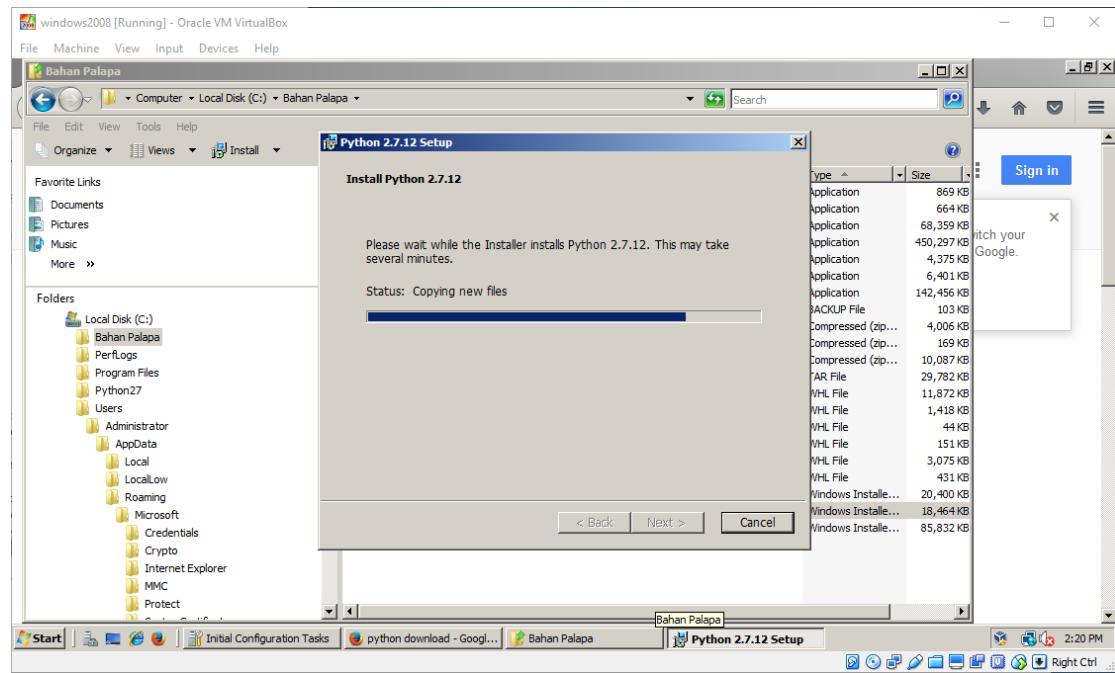
4. Setingan folder sebaiknya tidak di rubah. Lalu tekan Next.



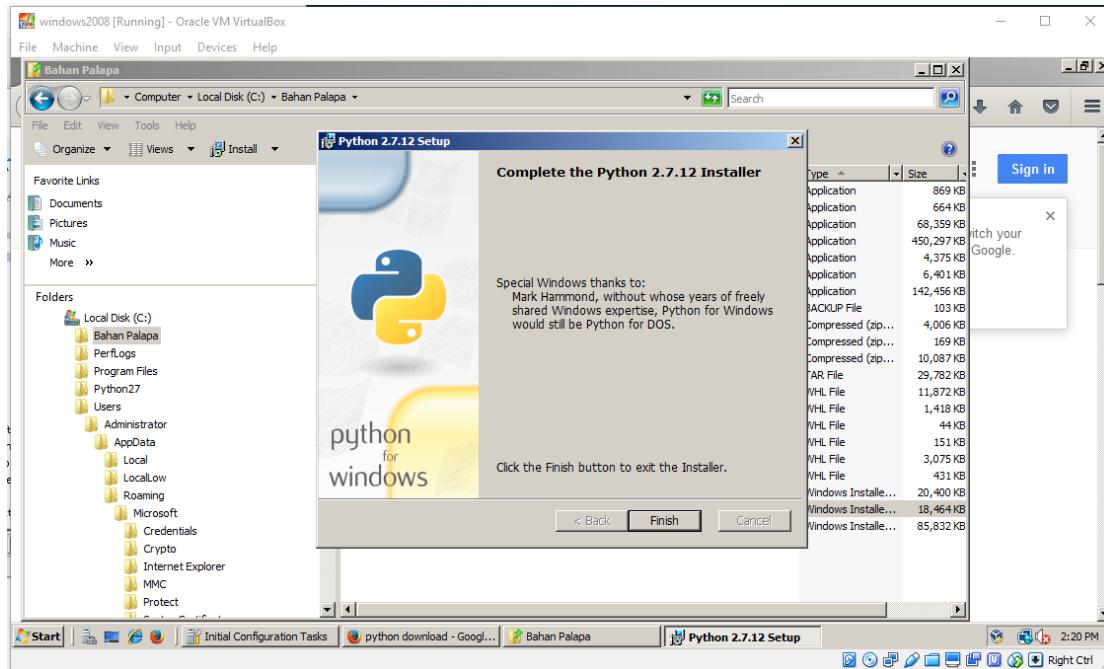
5. Pada tahap customize ini harus hati-hati. **Pilih Path Add python.exe to Path.**



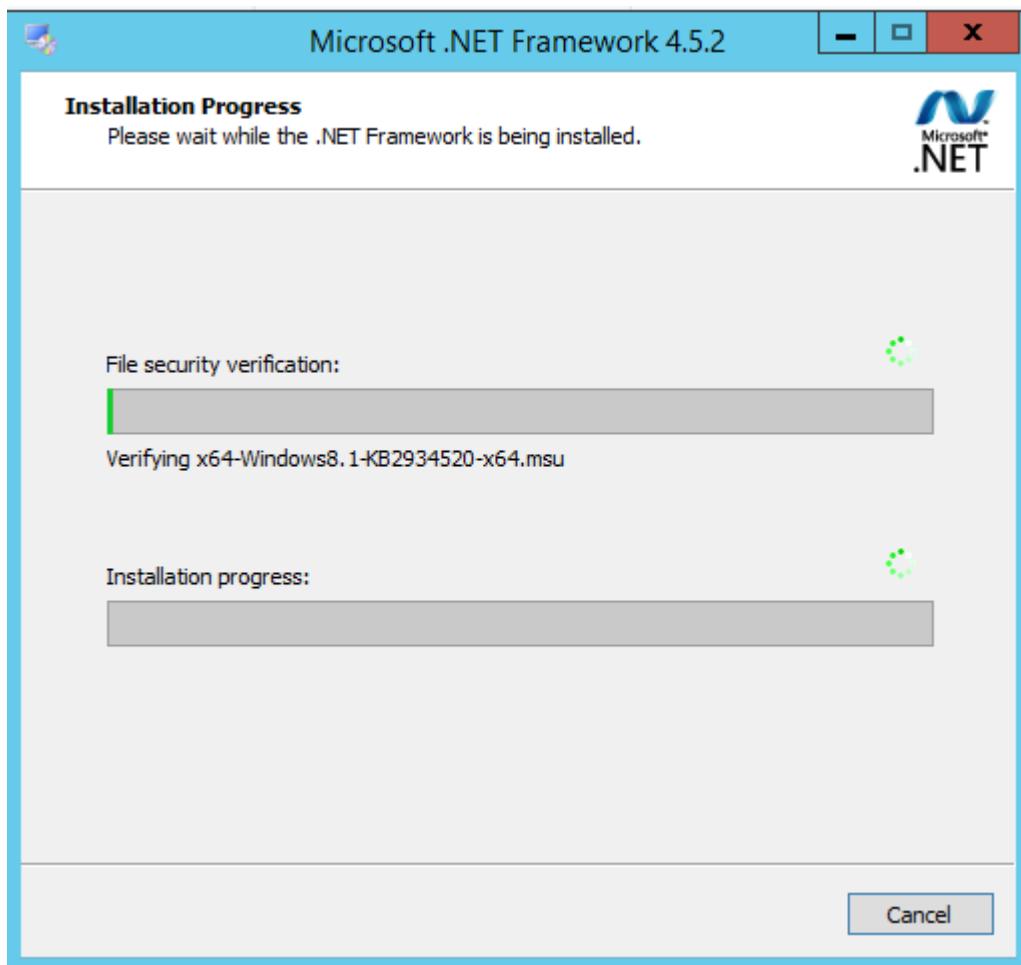
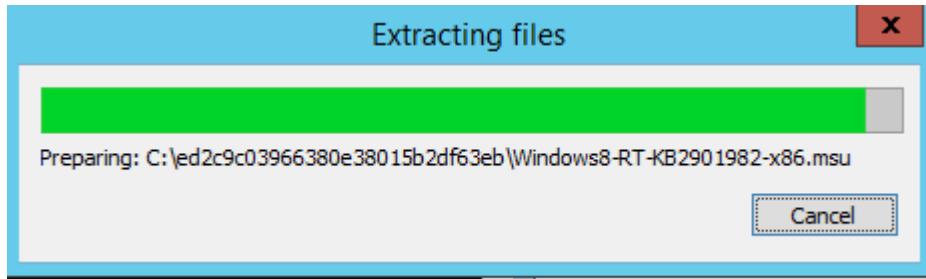
6. Tunggu proses instalasi sedang berjalan.

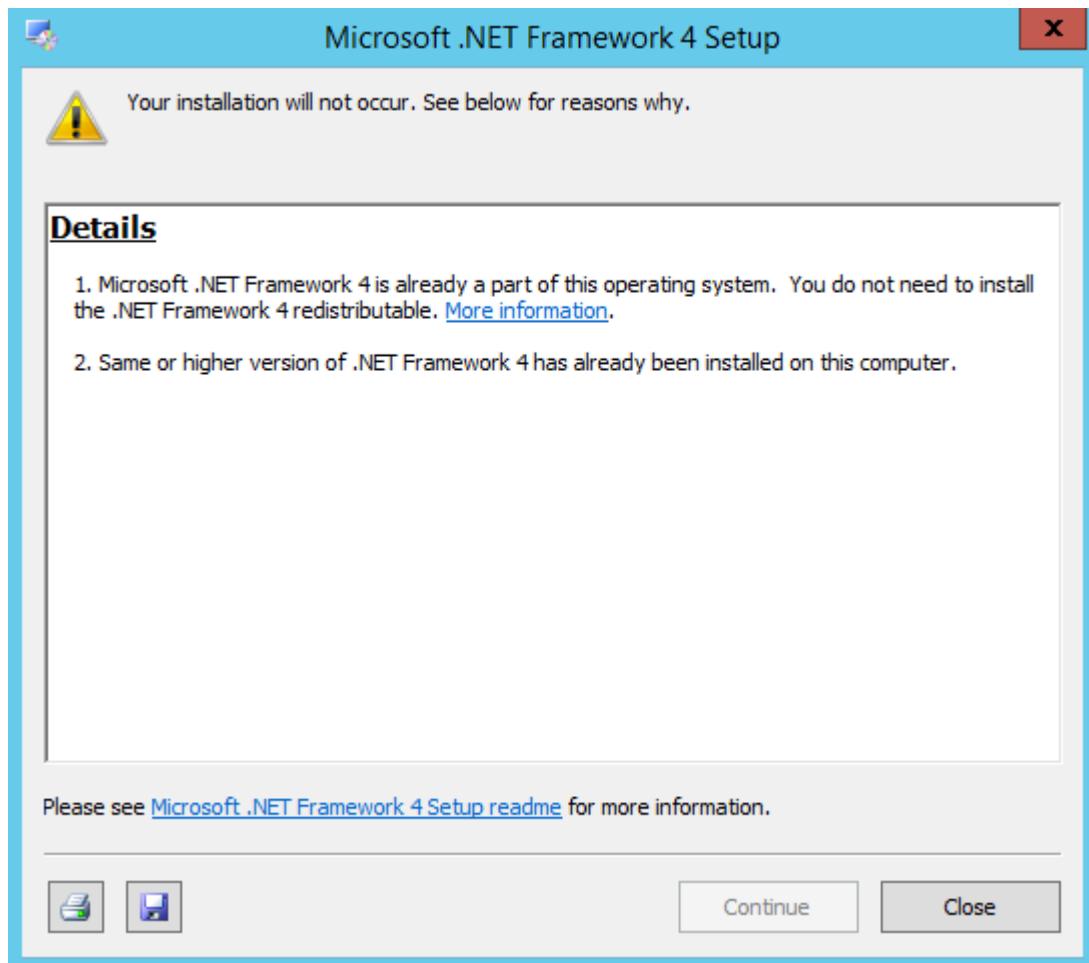


7. Bila sudah muncul Window Pop dengan tulisan Complete the Python 2.7.12 berarti proses instalasi sudah selesai.



Menginstall Net framework

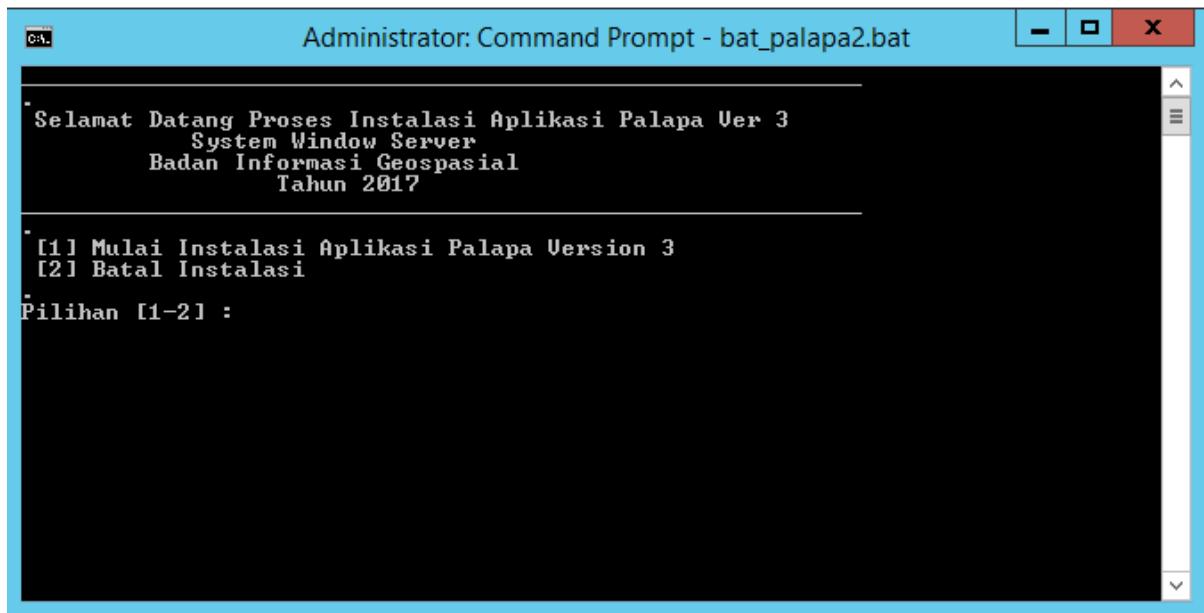




Restart Komputer Anda.

**INSTALASI APLIKASI PALAPA, DATABASE, WEB SERVER, DATABASE DAN LIBRARY
DENGAN BAT_PALAPA2.BAT**

Buka Folder BAHANPALAPA ketikan di prompt bat_palapa2.bat kemudian Tekan 1.

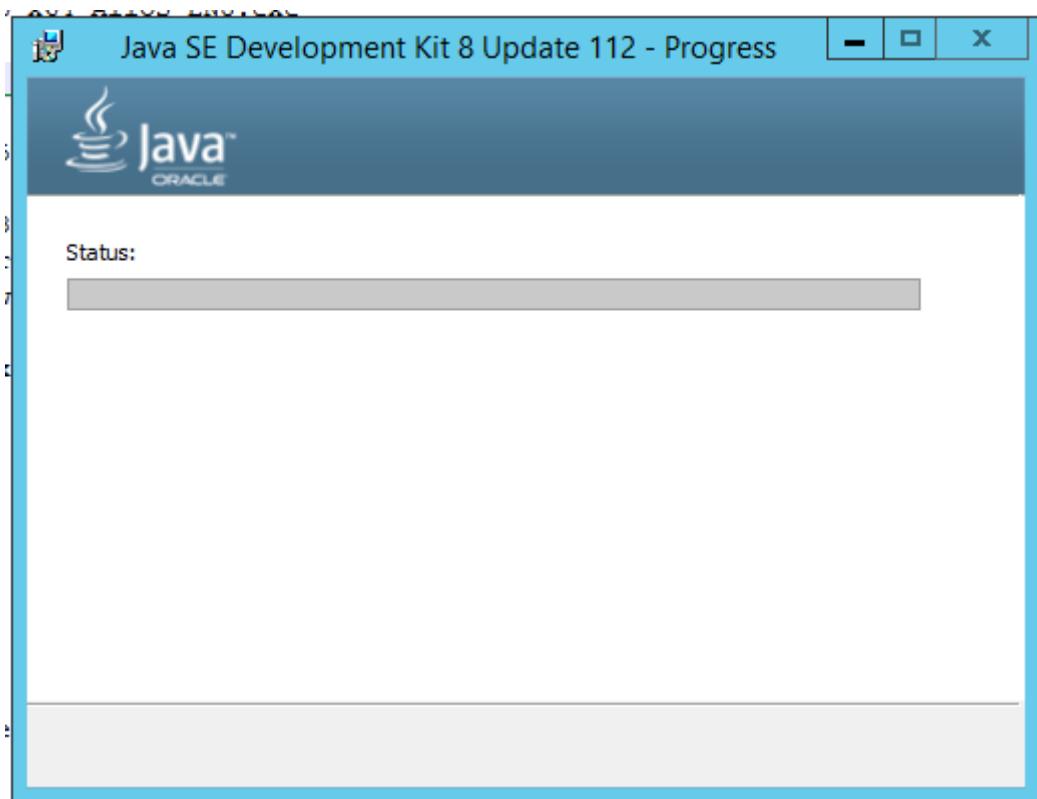


```
Administrator: Command Prompt - bat_palapa2.bat
Selamat Datang Proses Instalasi Aplikasi Palapa Ver 3
System Window Server
Badan Informasi Geospasial
Tahun 2017

[1] Mulai Instalasi Aplikasi Palapa Version 3
[2] Batal Instalasi

Pilihan [1-2] :
```

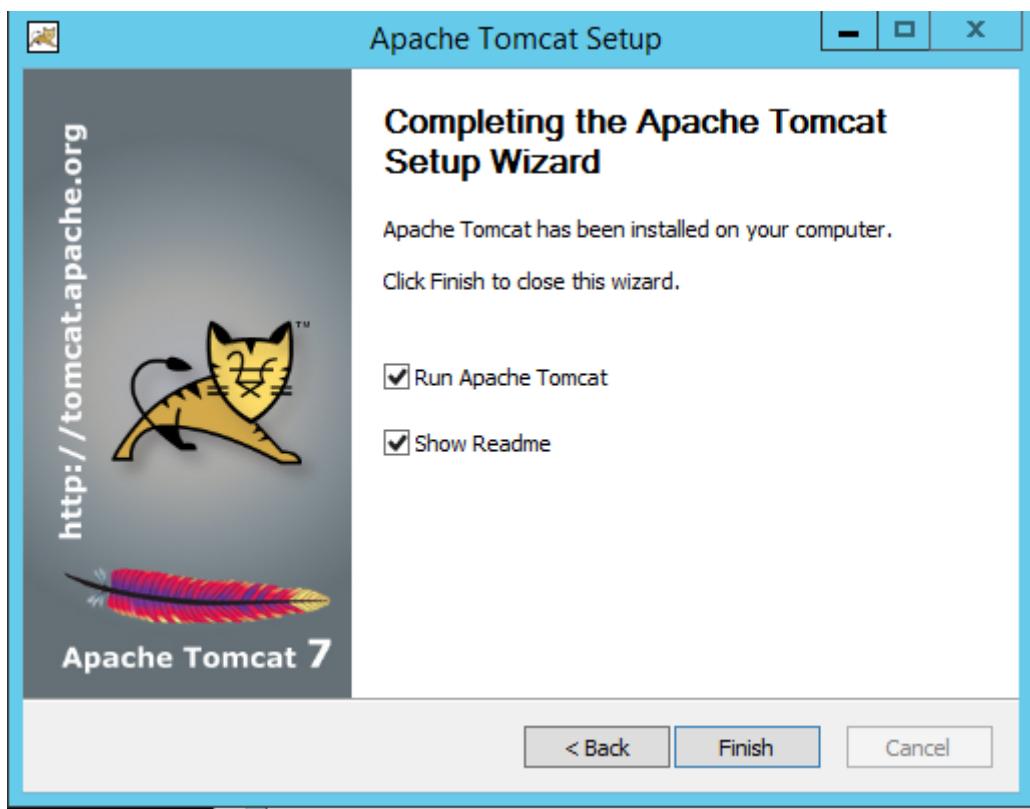
INSTALASI JAVA SE 8



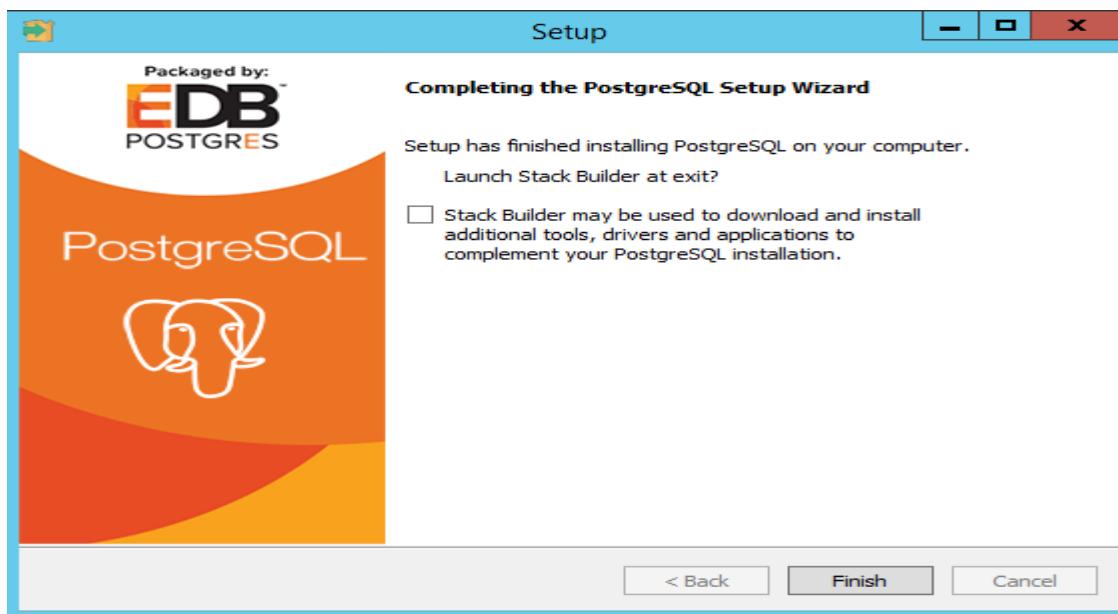


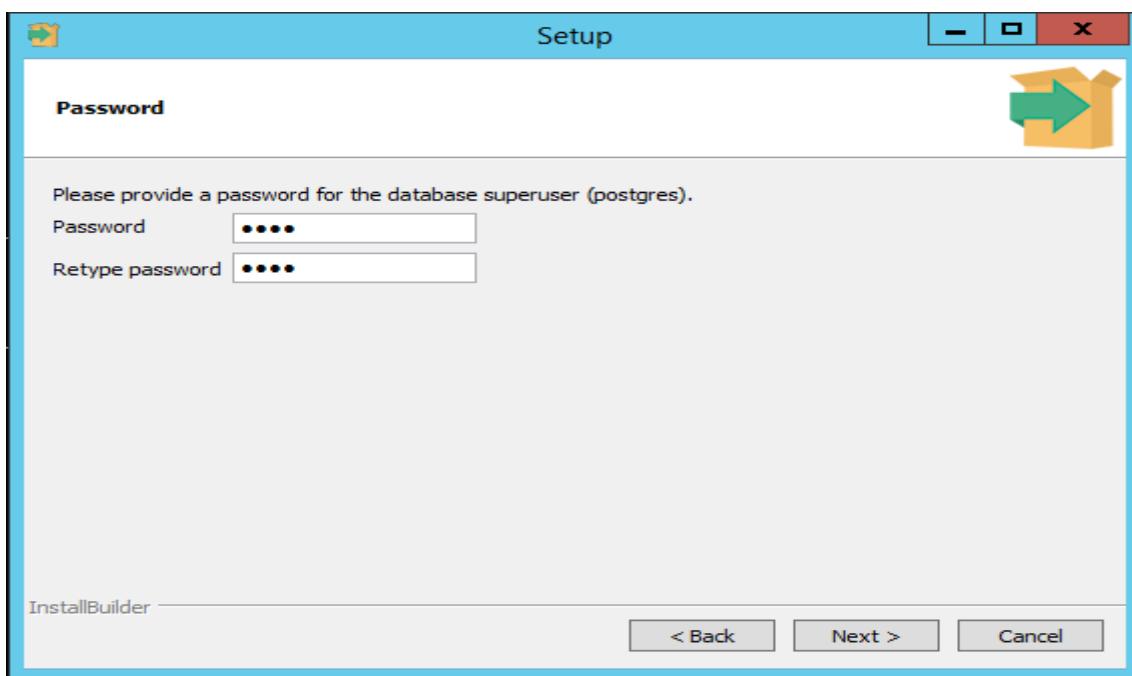
INSTALASI WEB SERVER TOMCAT



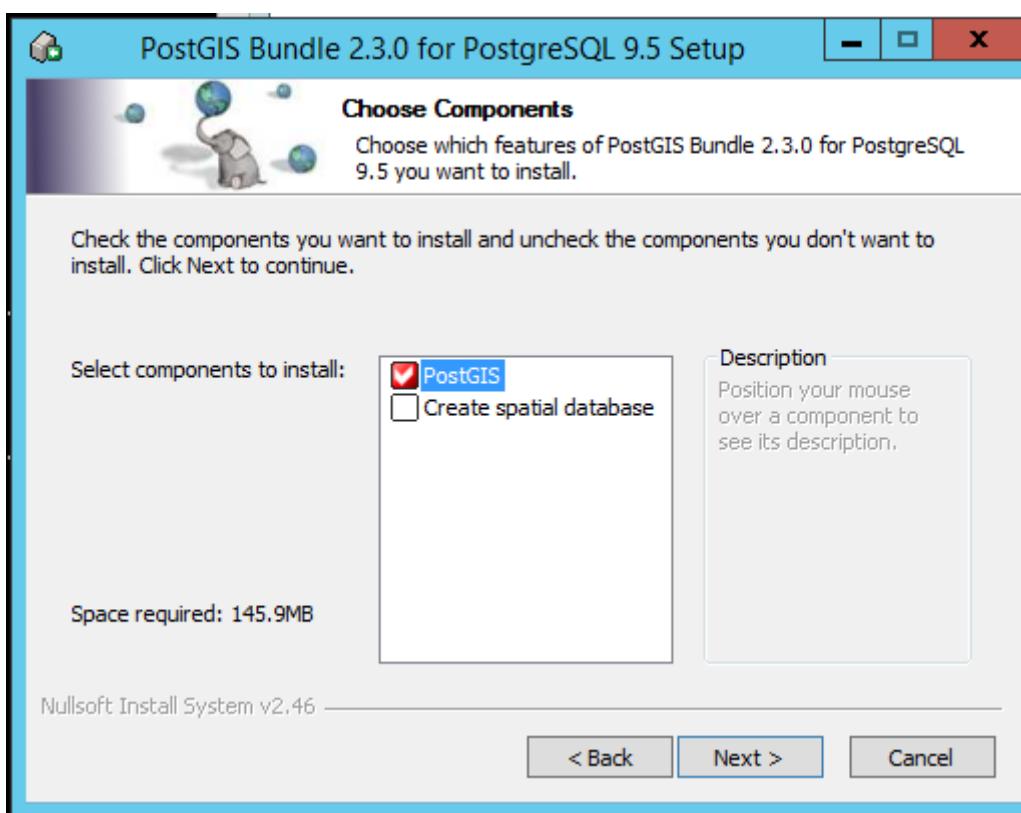
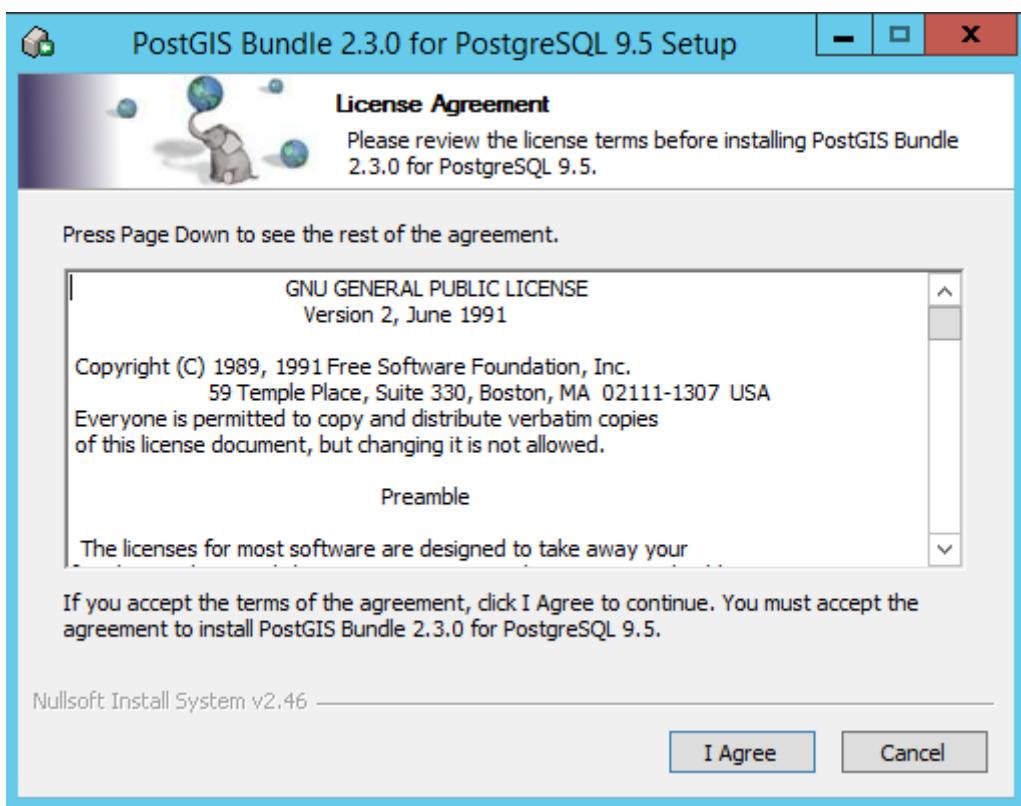


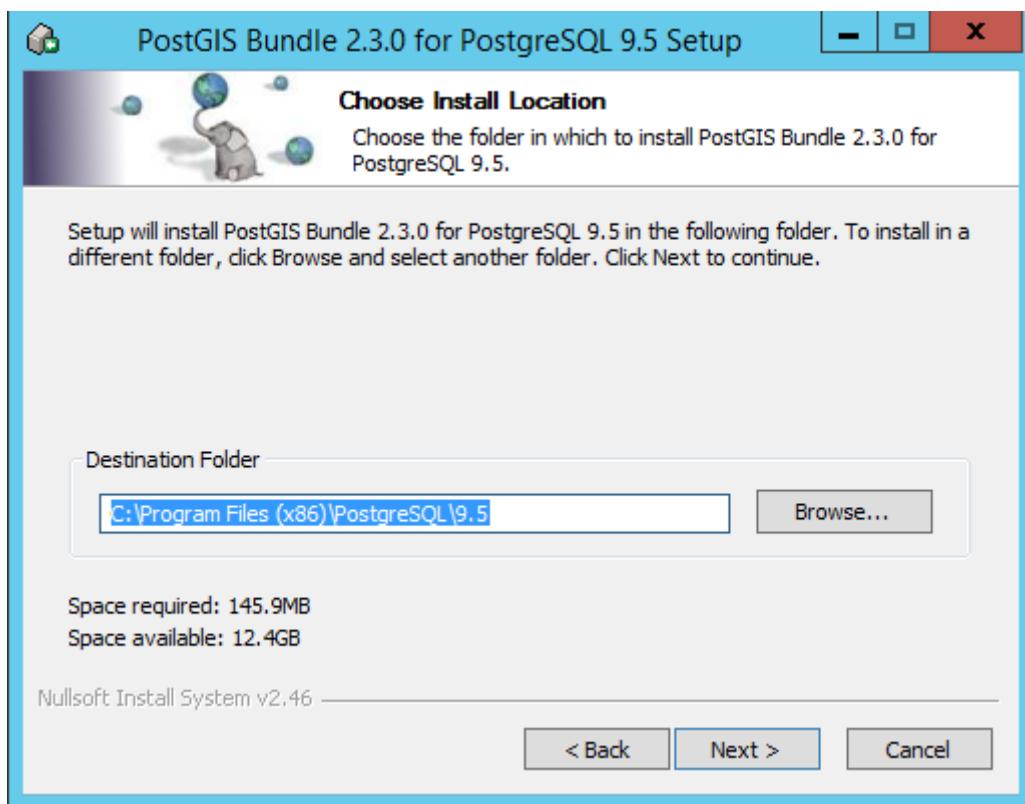
INSTALASI DATABASE POSTGRESQL



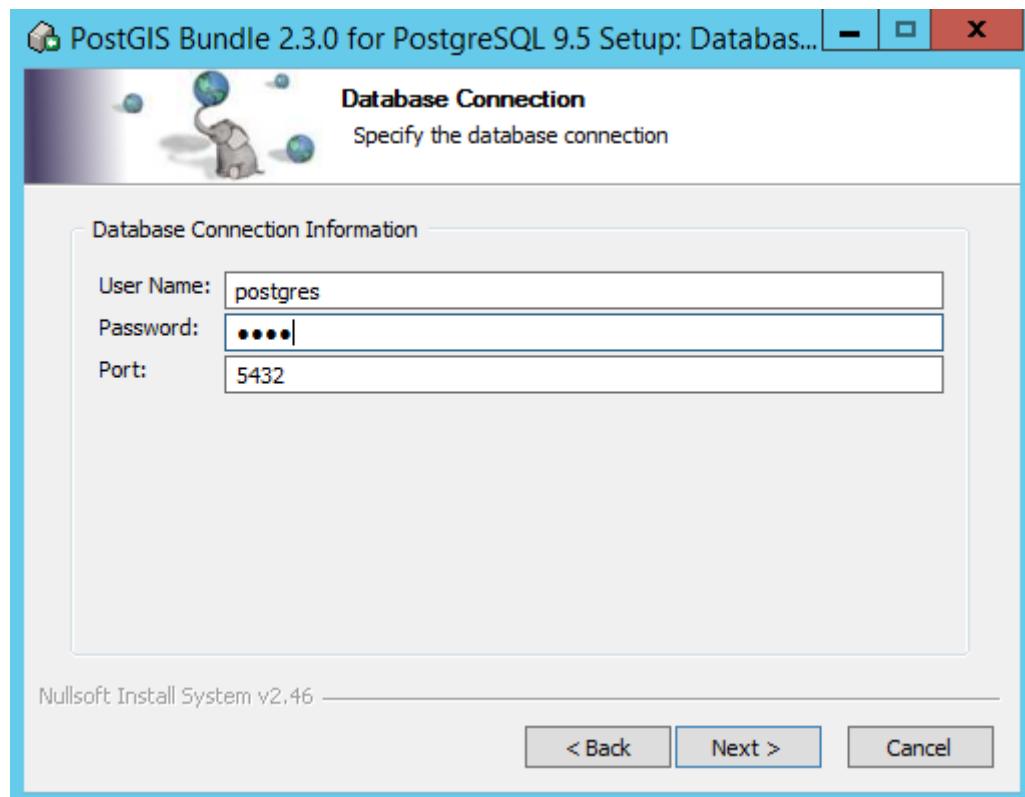
ISIKAN PASSWORD 1234**INSTALASI BERHASIL**



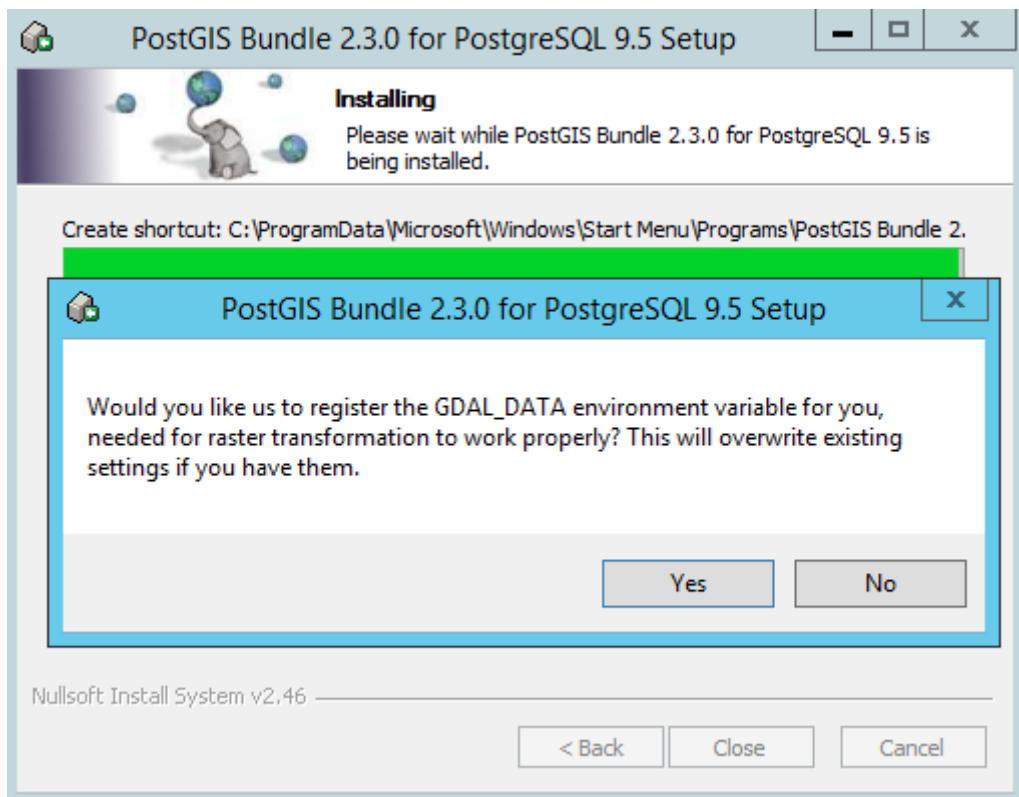
INSTALASI POSTGIS DATABASE



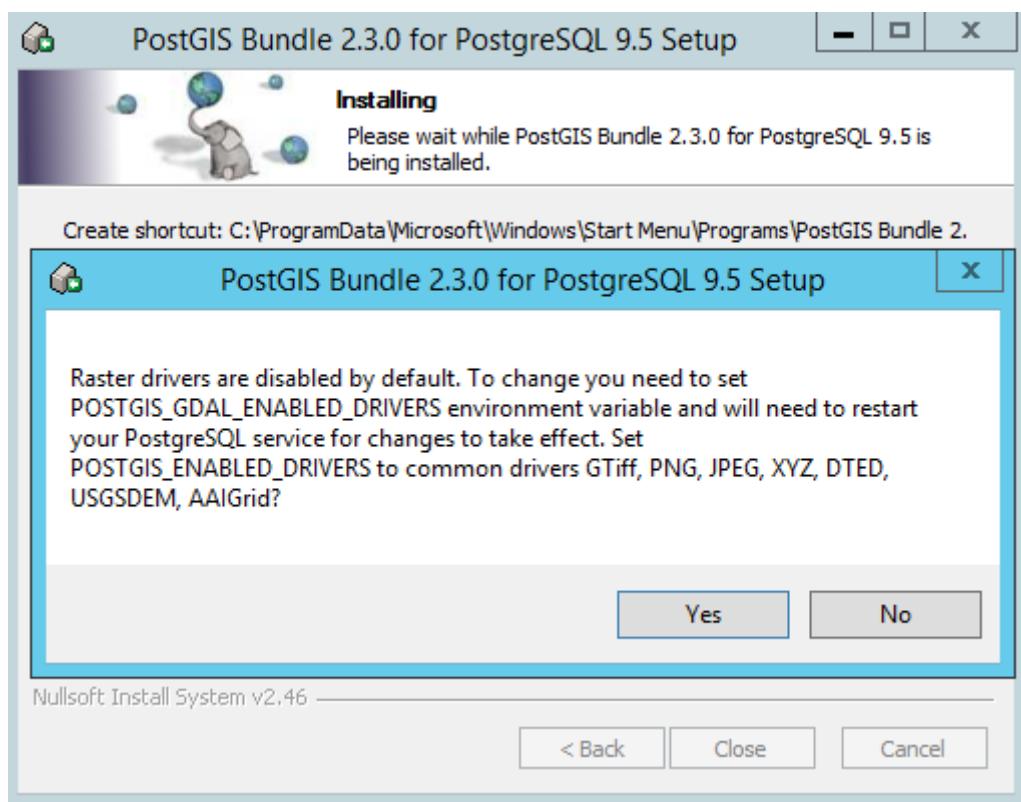
ISIKAN PASSWORD 1234



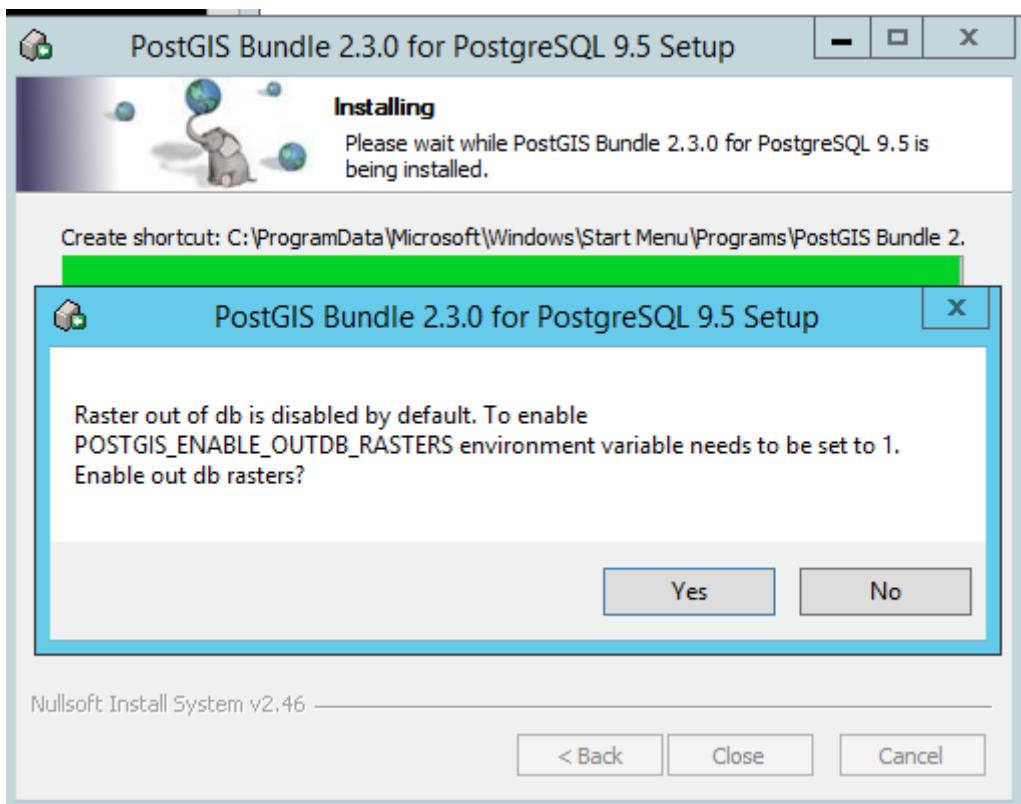
KLIK YES

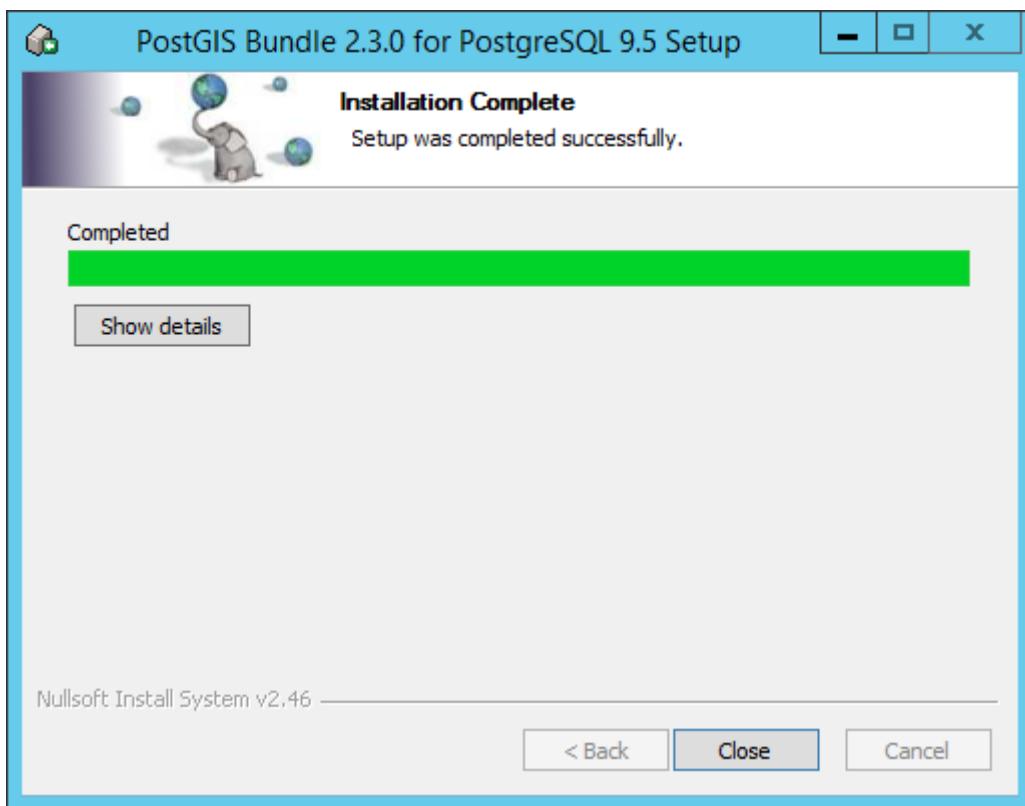
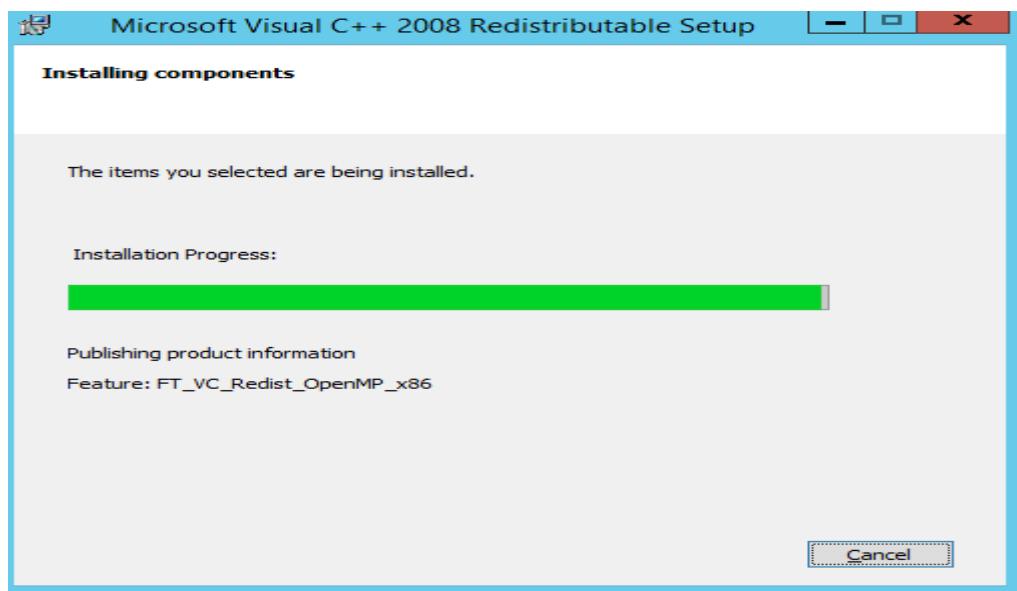


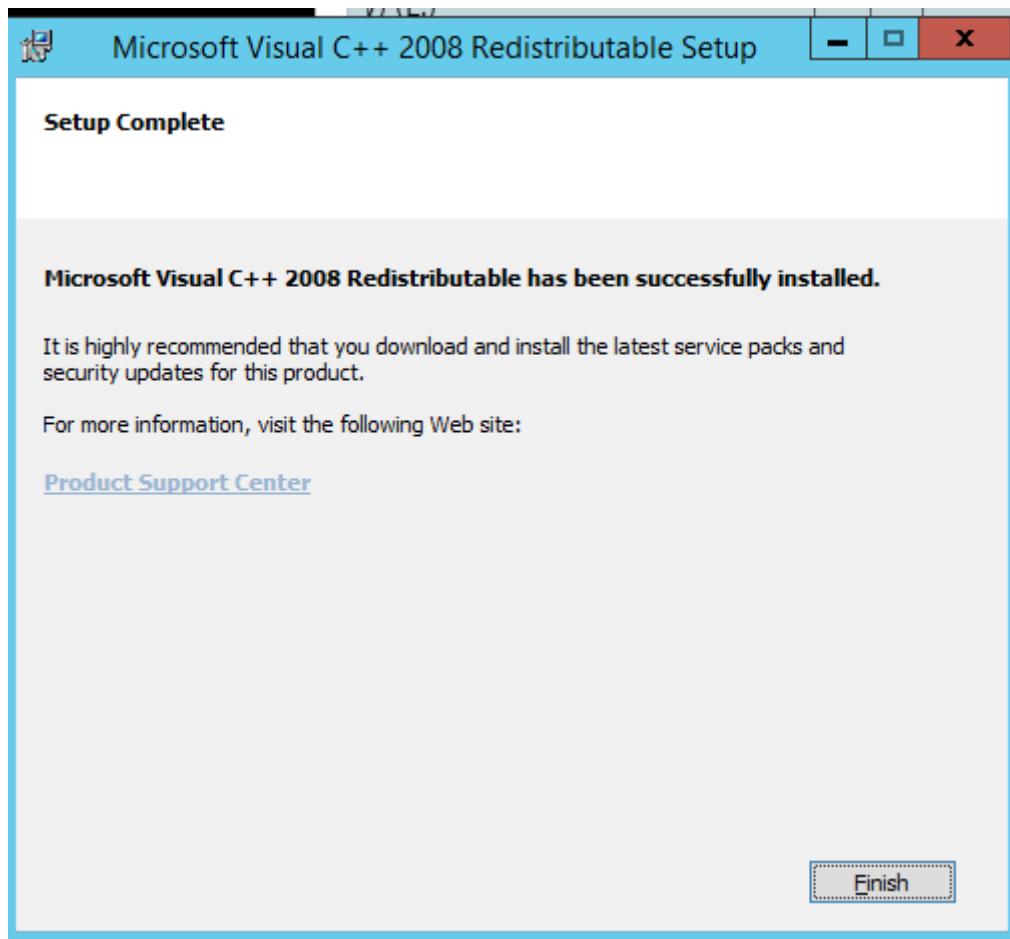
KLIK YES



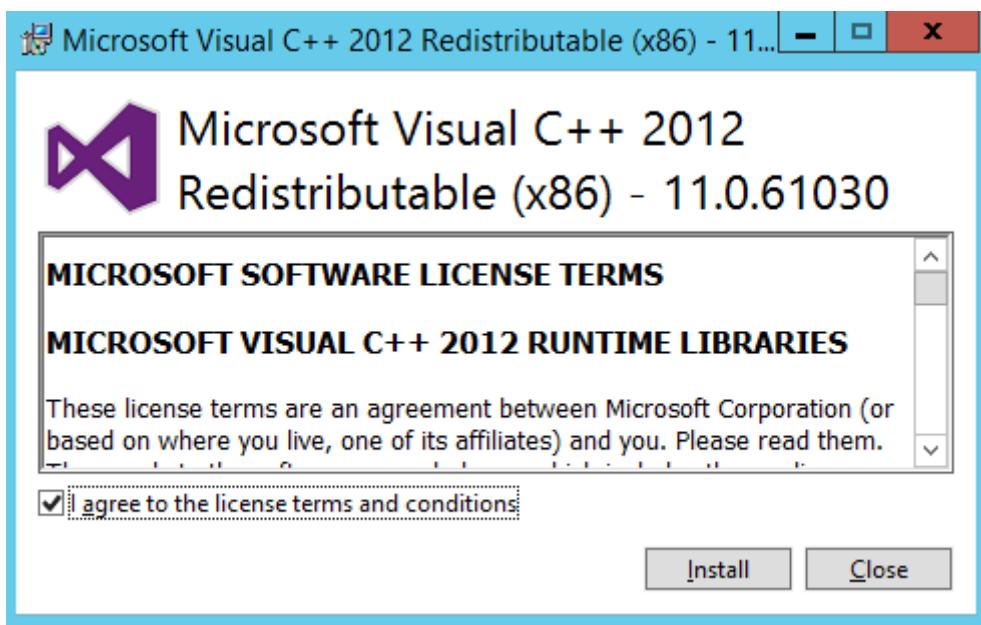
KLIK YES

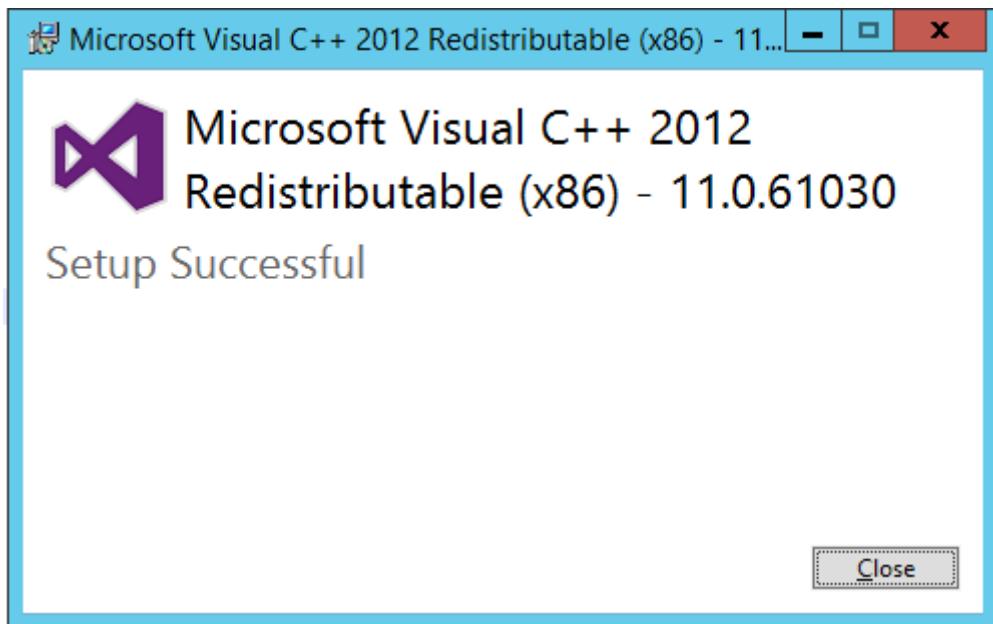


SUKSES INSTALASI**INSTALASI VISUAL C++ 2008**

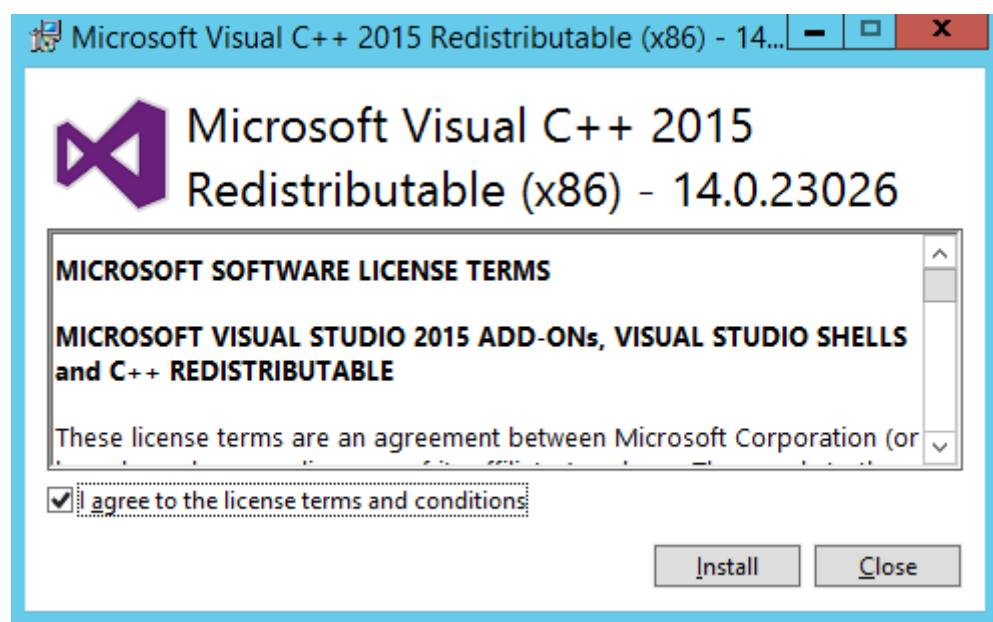


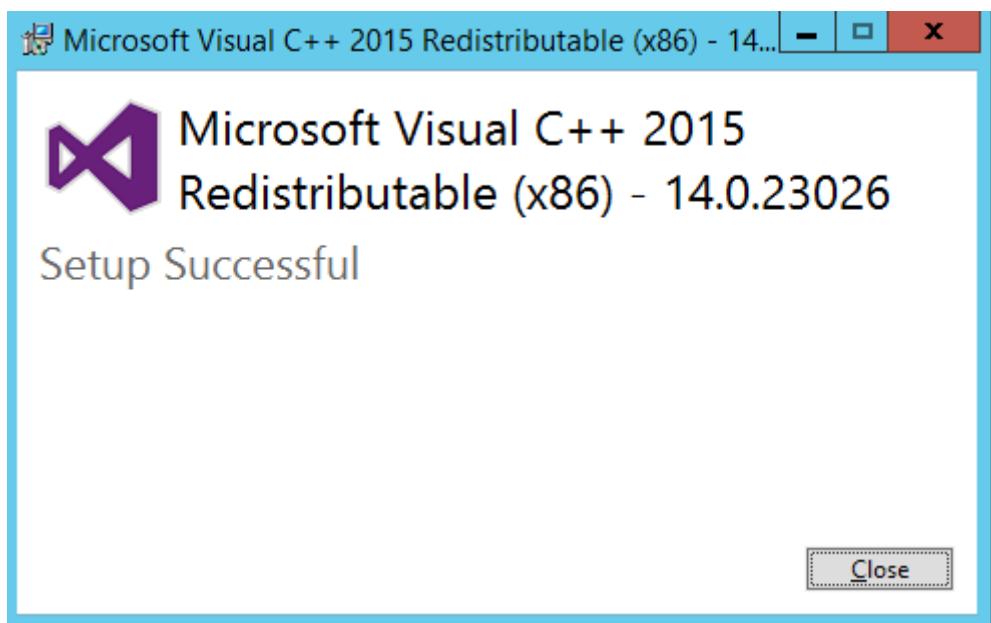
INSTALASI VISUAL C++ 2012



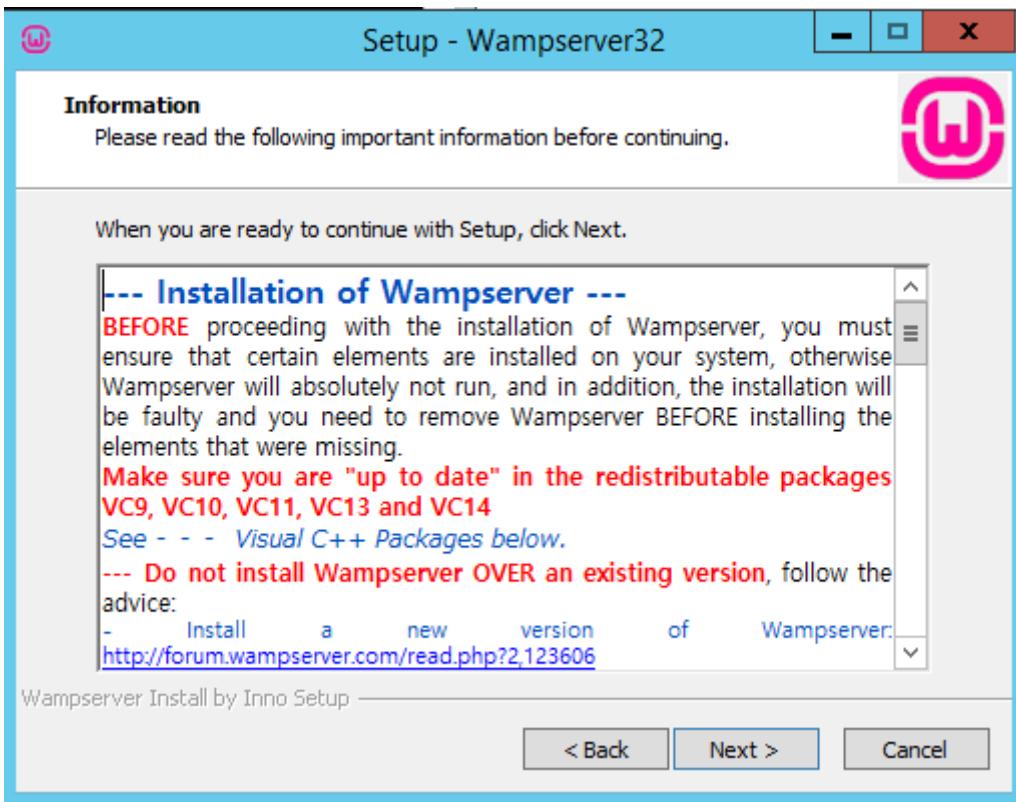
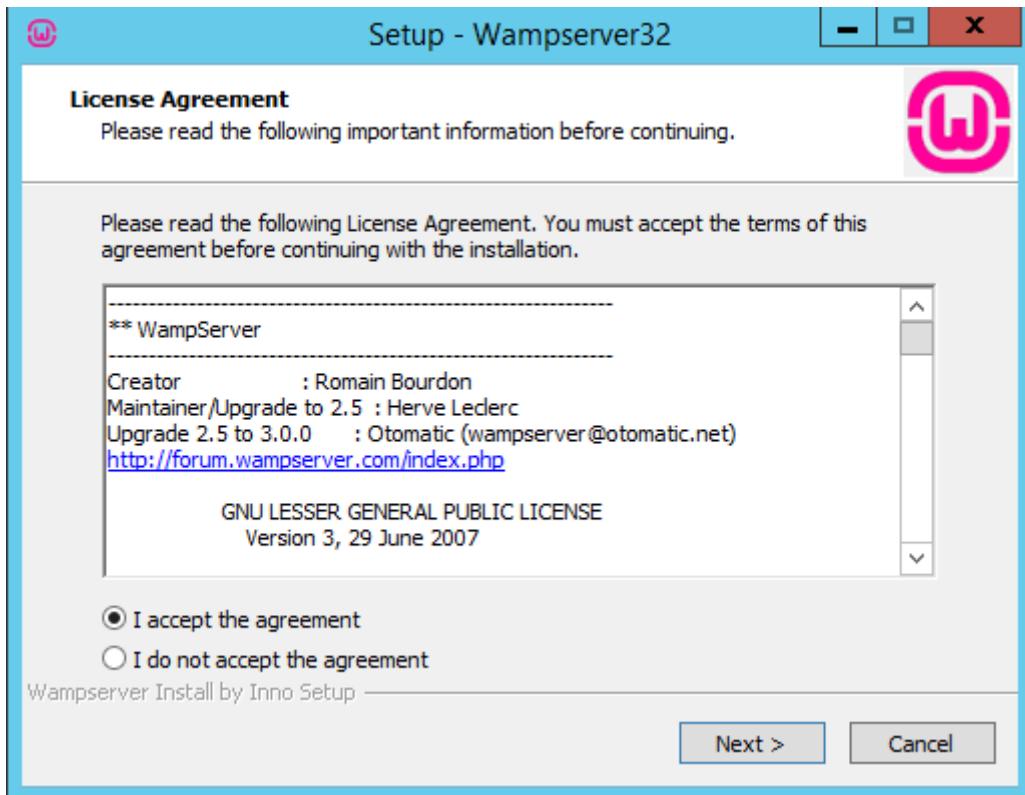


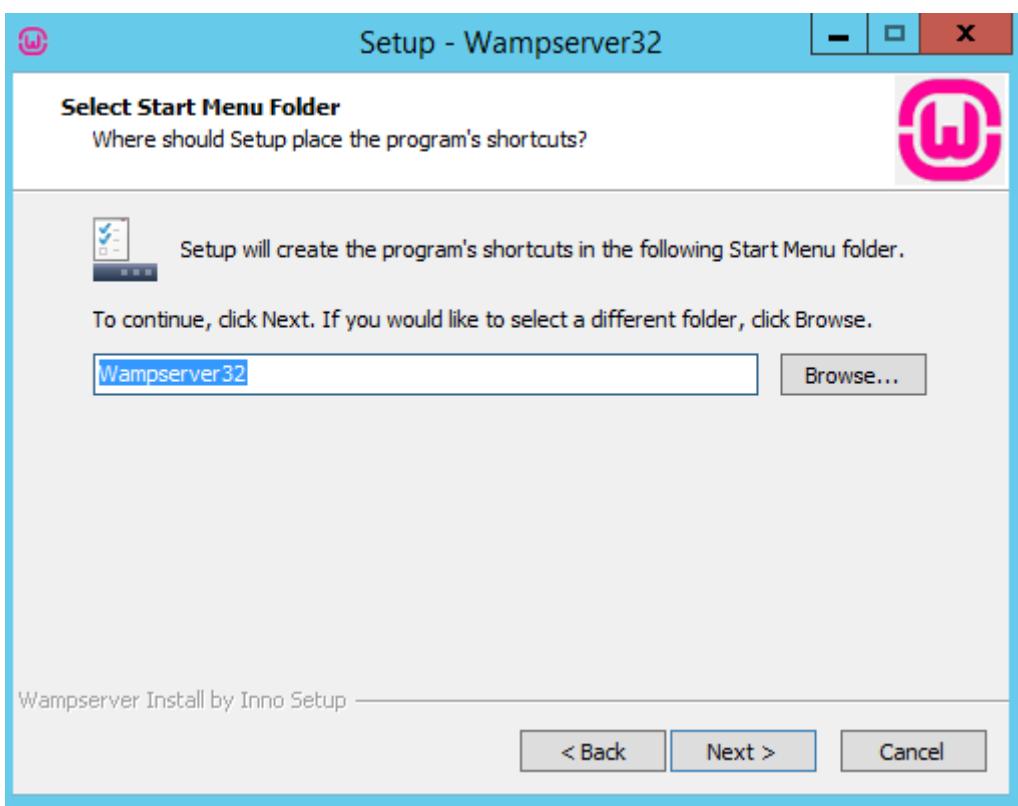
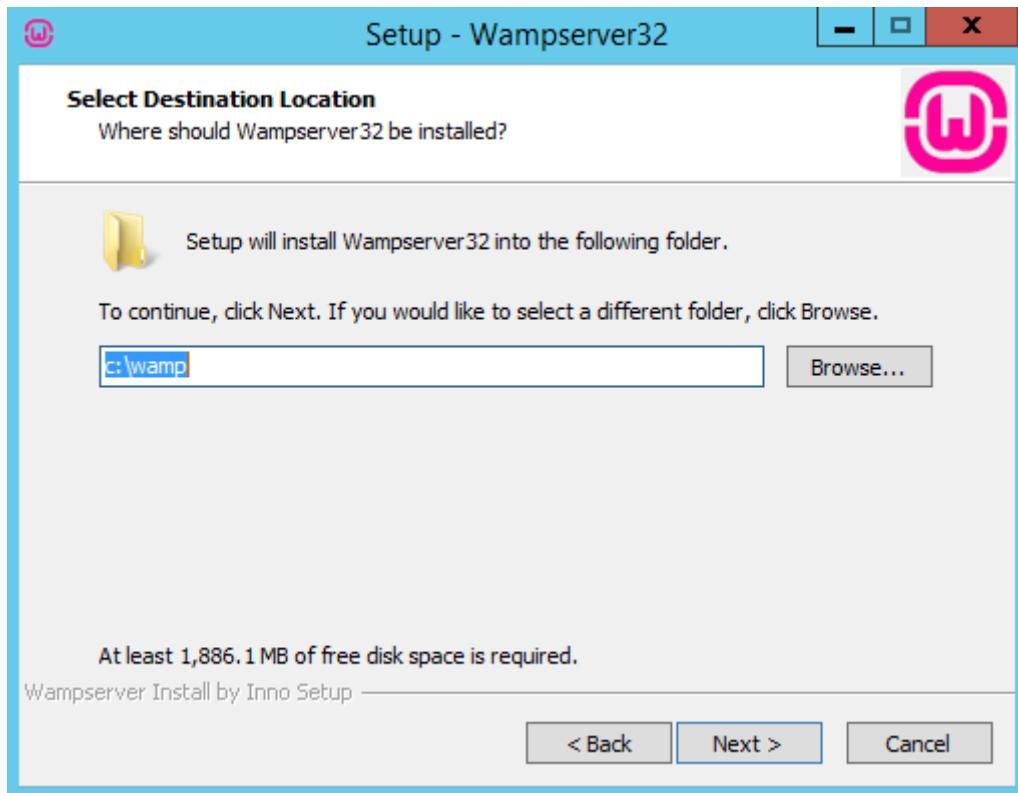
INSTALASI VISUAL C++ 2015

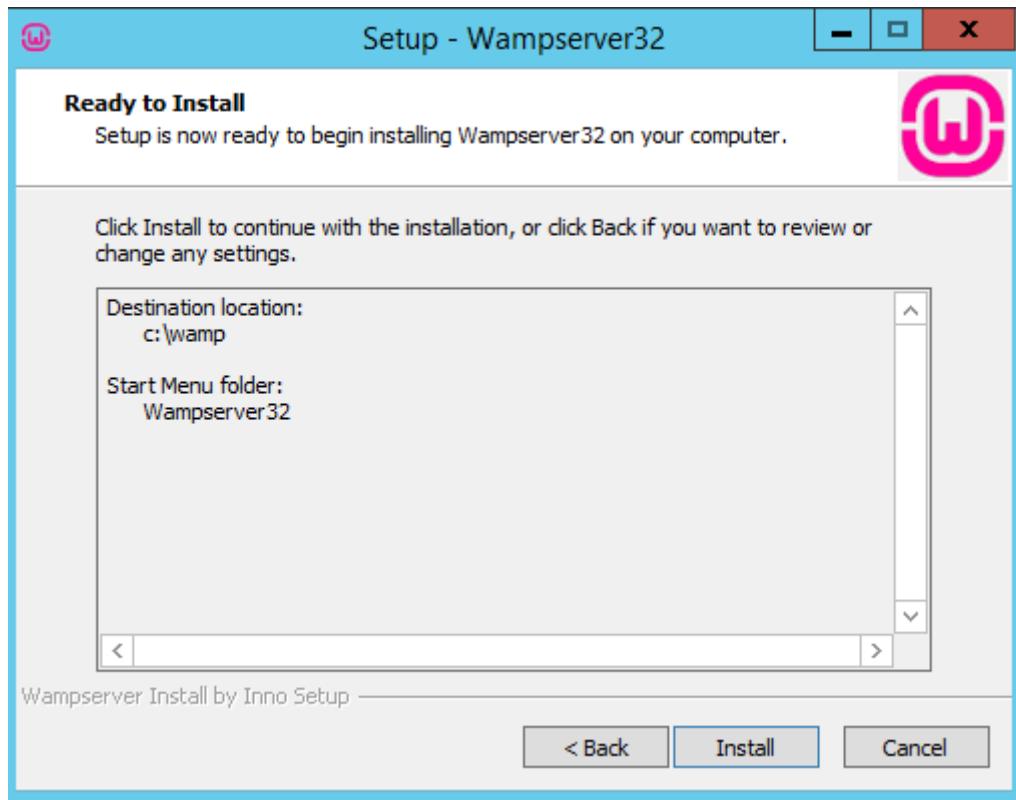


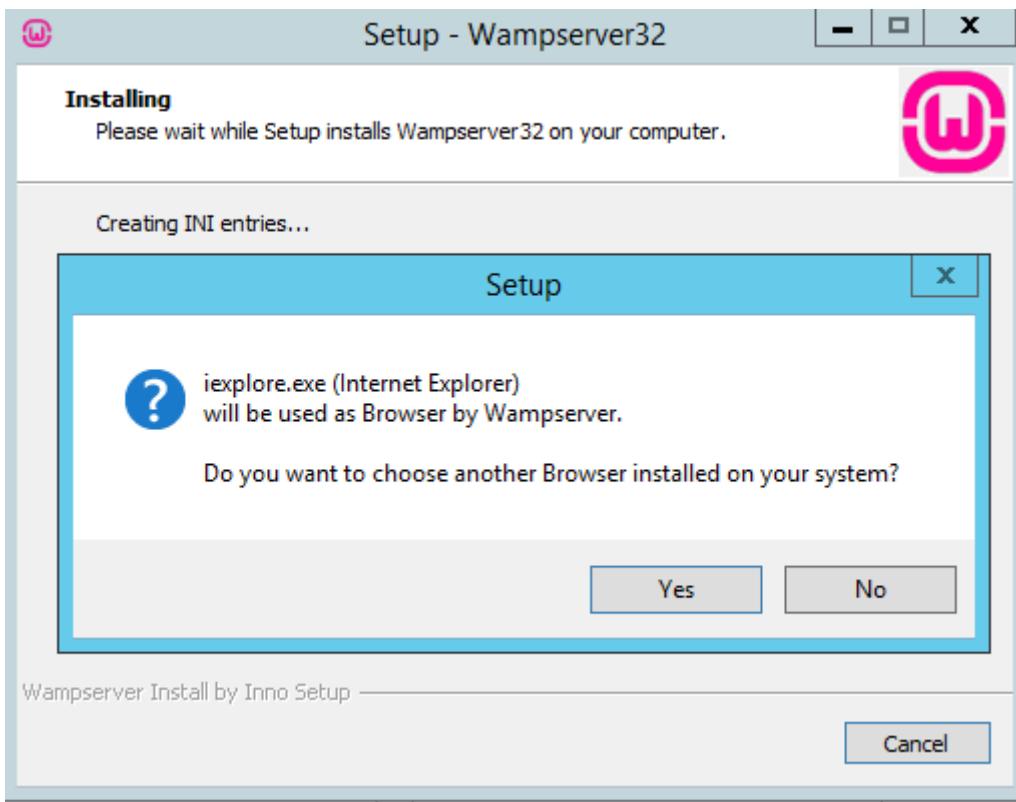
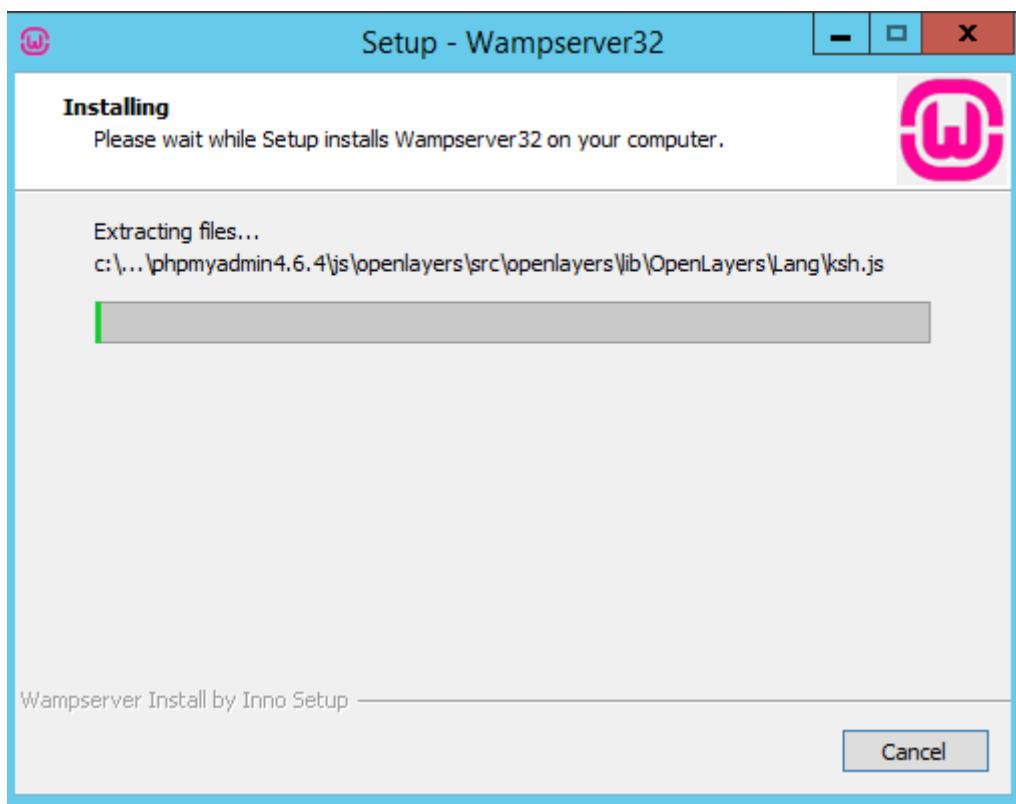


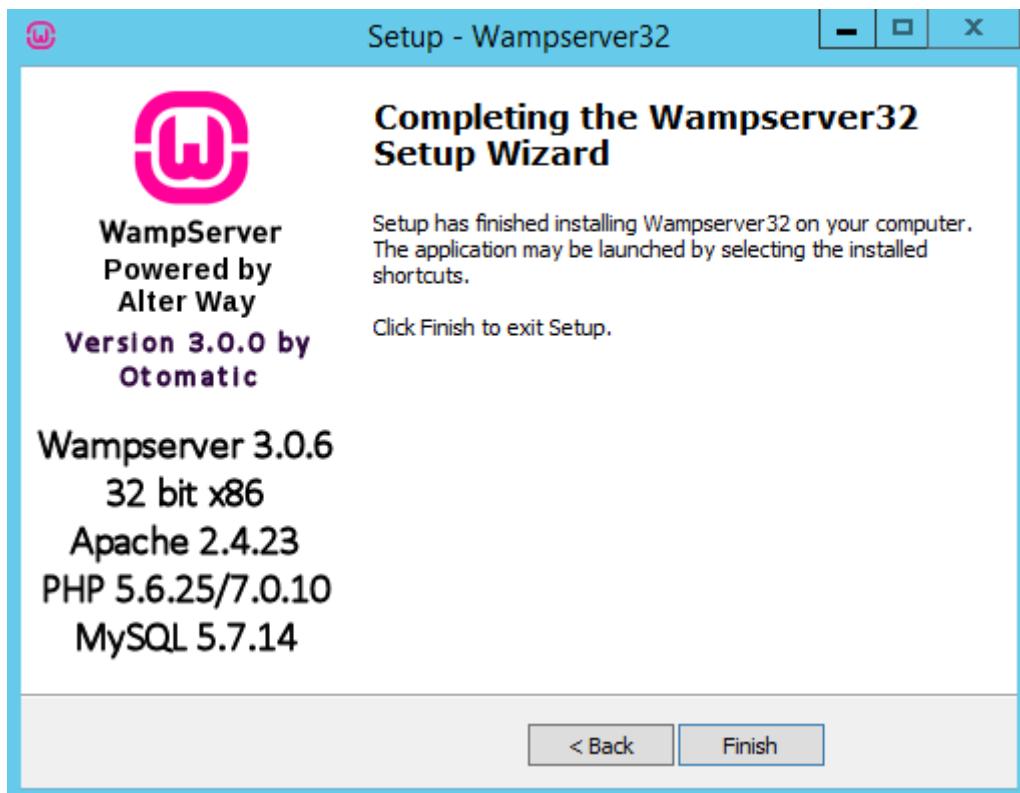
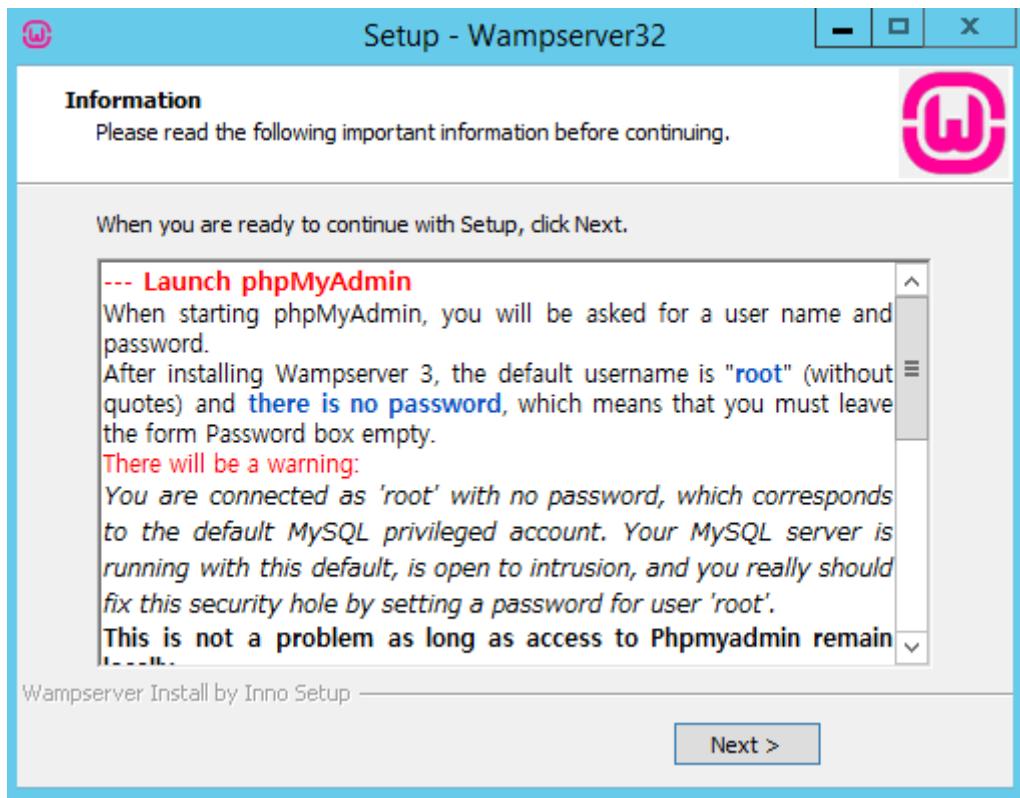
INSTALASI WAMP











Administrator: Command Prompt - bat_palapa2.bat

```

G:\>copy palapa_init_v6.backup c:\PALAPA_DATA\DATABASE
      1 file(s) copied.

G:\>copy rest.properties "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\webapps\geoserver\data\security"
      1 file(s) copied.

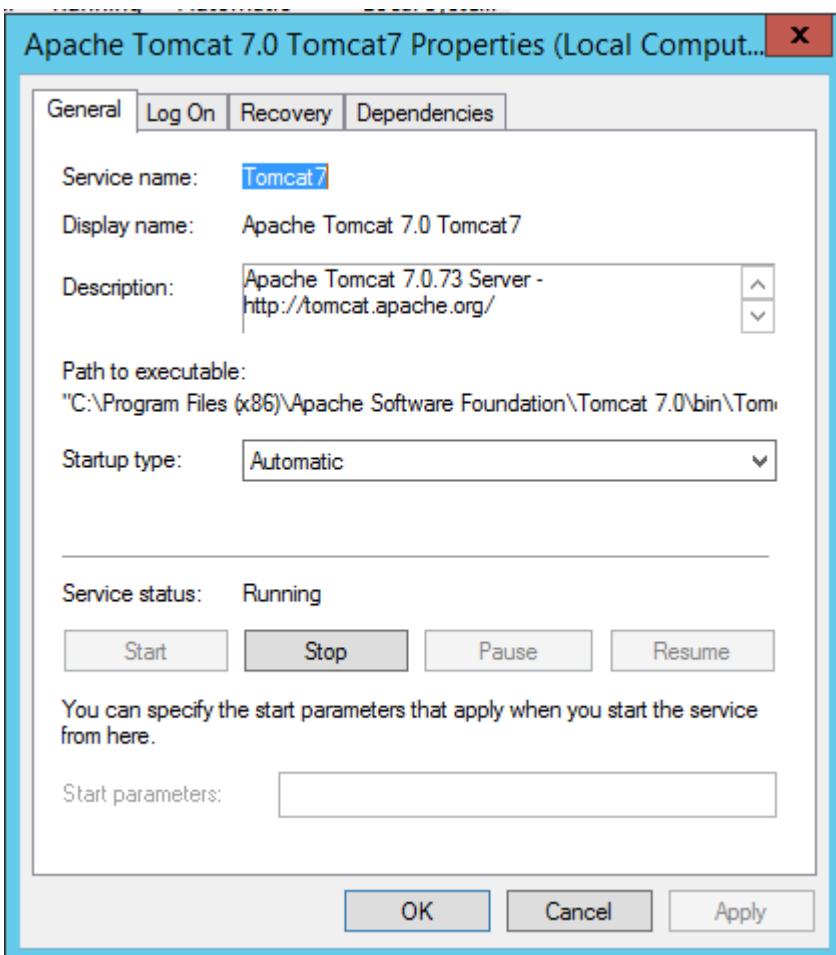
G:\>copy web.xml "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\conf"
      1 file(s) copied.

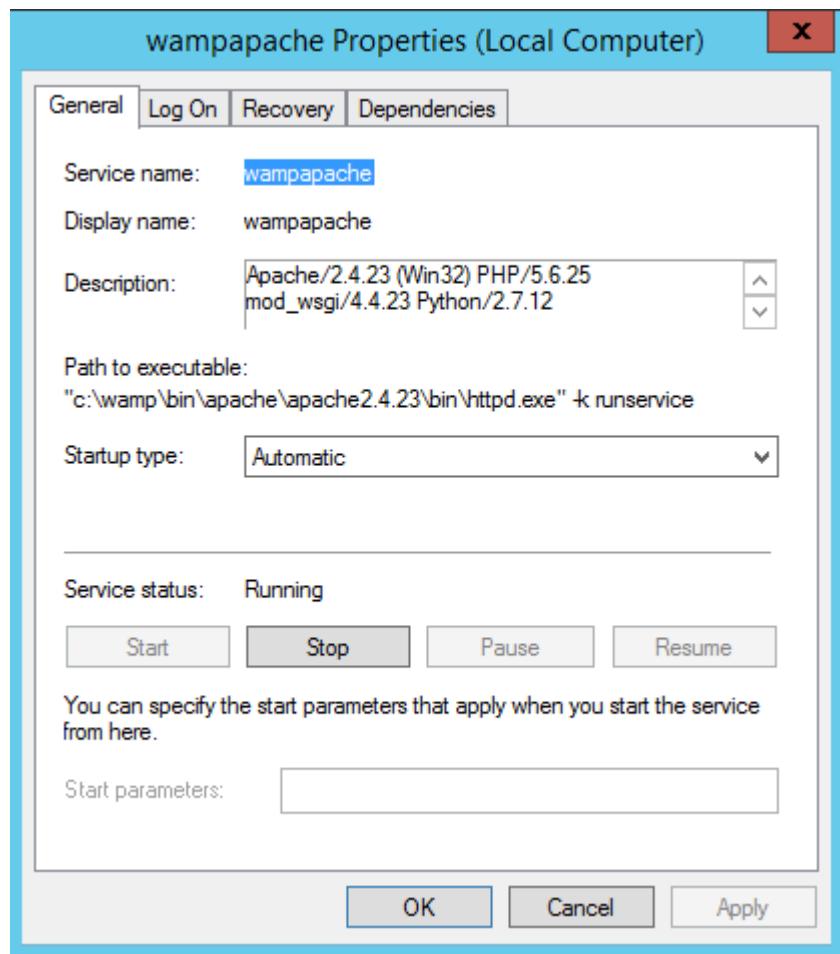
G:\>PAUSE Proses User Palapa
Press any key to continue . . .

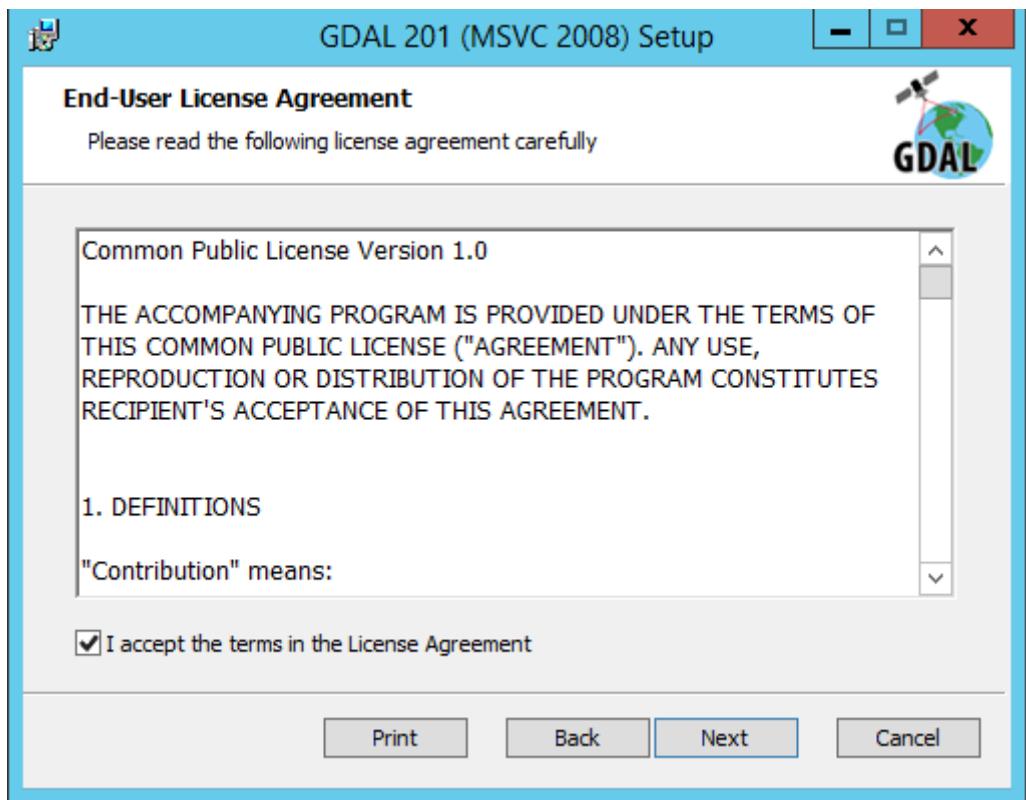
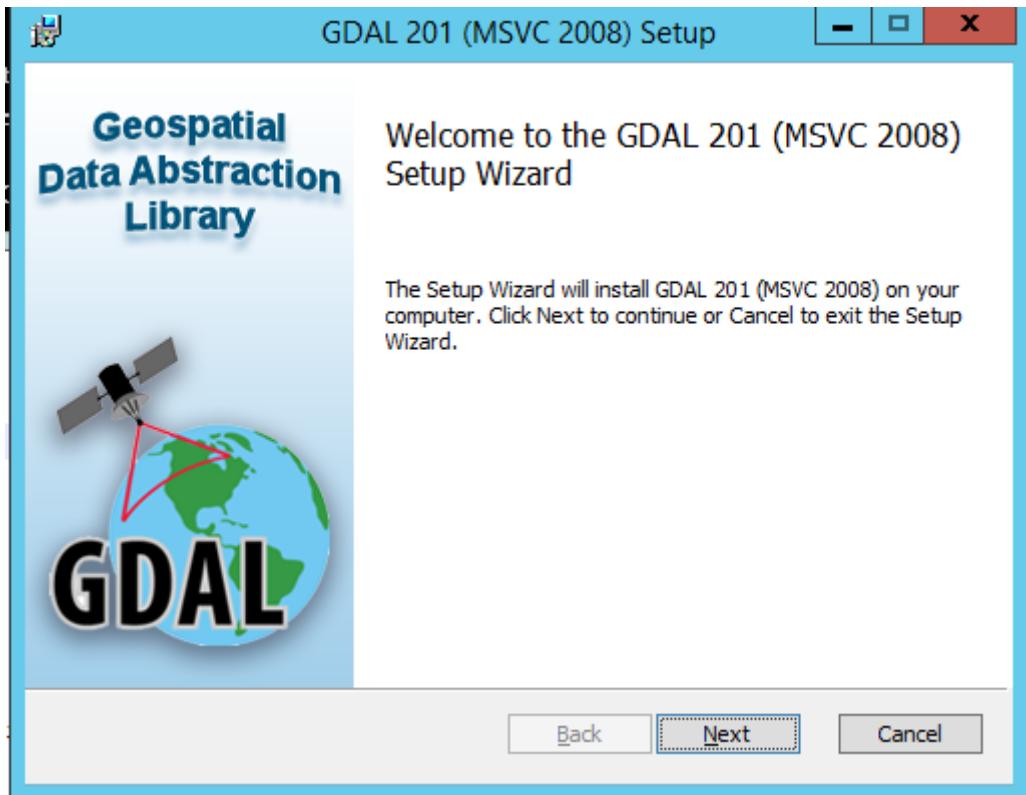
G:\>c:

C:\Users\Administrator>cd "c:\Program Files (x86)\PostgreSQL\9.5\bin"
c:\Program Files (x86)\PostgreSQL\9.5\bin>REM createuser -U postgres -P -d -l -s
palapa
c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -f c:\PALAPA_DATA\DAT
ABASE\palapa_user.sql
Password for user postgres:

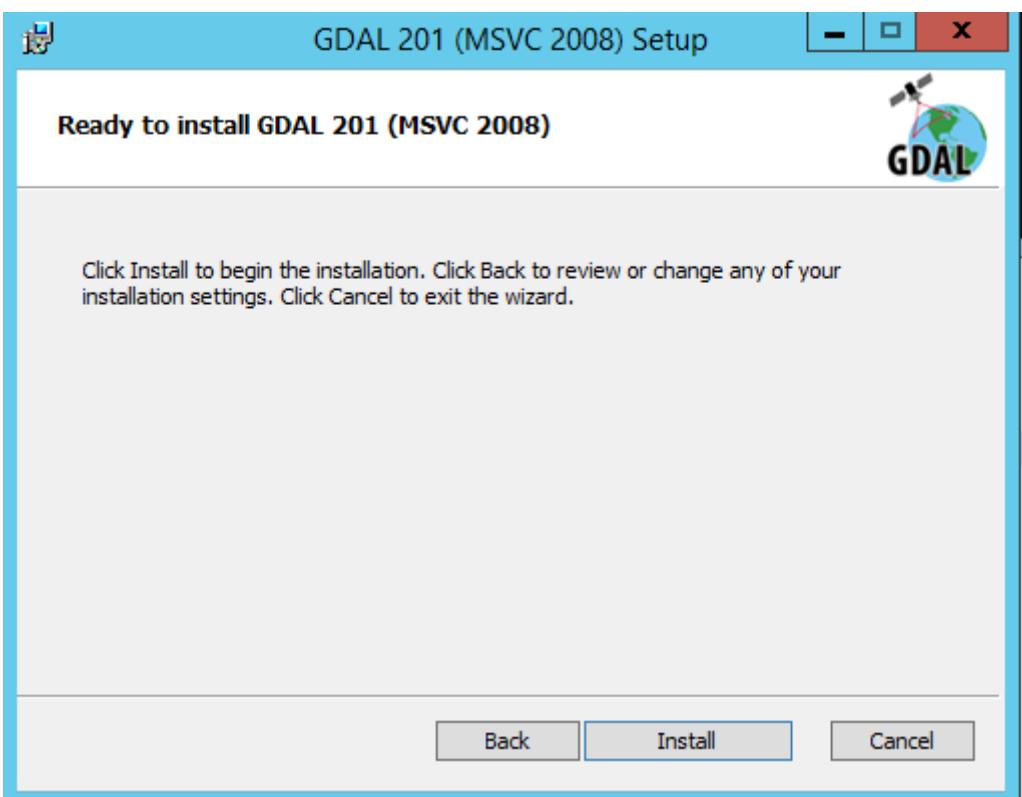
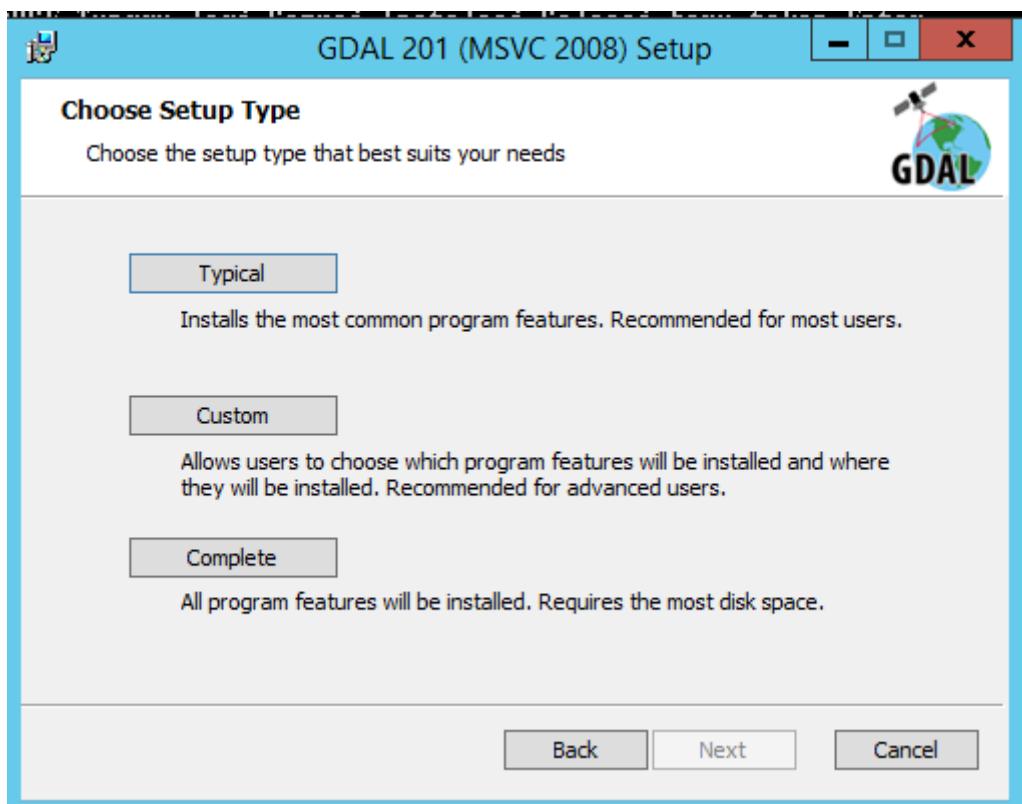
```

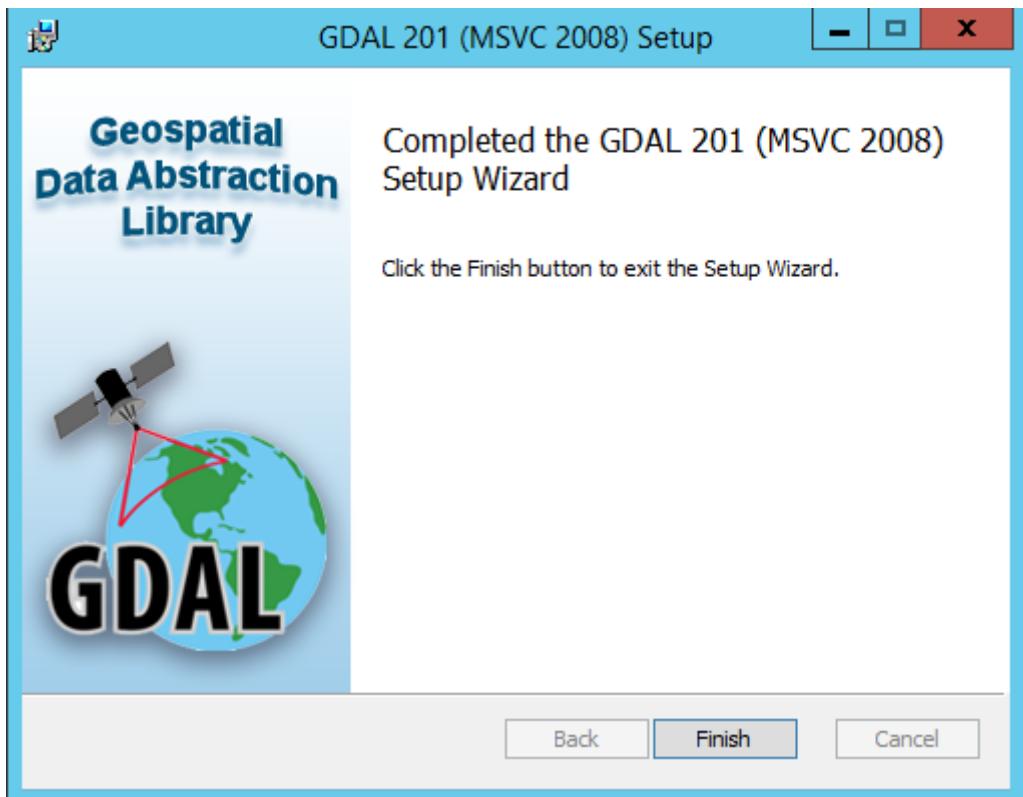




INSTALASI GDAL

PILIH COMPLETE





Install Geoserver

Membuat Direktori Palapa dan Copy Aplikasi Palapa

```

Administrator: Command Prompt - bat_palapa2.bat

E:\>mpai Instalasi Selesai baru tekan Enter
'mpai' is not recognized as an internal or external command,
operable program or batch file.

E:\>start /W /B vc11redist_x86.exe
E:\>PAUSE
Press any key to continue . . .

E:\>start /W /B vc_redist.x86.exe
E:\>PAUSE
Press any key to continue . . .

E:\>"C:\Windows\system32\msiexec.exe" /i "gdal-201-1500-core.msi"
E:\>PAUSE Tunggu lagi Sampai Instalasi Selesai baru tekan Enter
Press any key to continue . . .

E:\>copy geoserver.war "C:\Program Files (x86)\Apache Software Foundation\Tomcat
7.0\webapps"
      1 file(s) copied.

E:\>PAUSE Membuat Direktori PALAPA dan Apache24
Press any key to continue . . .

```

Membuat Direktori PALAPA_DATA

```

Administrator: Command Prompt - bat_palapa2.bat
pycsw\tests\suites\manager\post\Transaction-dc-02-update-full.xml
pycsw\tests\suites\manager\post\Transaction-fgdc-01-insert.xml
pycsw\tests\suites\manager\post\Transaction-fgdc-02-update-recprop.xml
pycsw\tests\suites\manager\post\Transaction-fgdc-03-delete-all.xml
pycsw\tests\suites\manager\post\Transaction-iso-00-delete-all.xml
pycsw\tests\suites\manager\post\Transaction-iso-01-insert.xml
pycsw\tests\suites\manager\post\Transaction-iso-02-update-full.xml
pycsw\tests\suites\manager\post\Transaction-iso-03-update-recprop.xml
pycsw\tests\suites\manager\post\Transaction-iso-04-update-recprop-no-matches.xml

pycsw\tests\suites\manager\post\Transaction-iso-05-delete.xml
pycsw\tests\suites\manager\post\Transaction-xxx-delete-all.xml
pycsw\tests\suites\oaipmh\default.cfg
pycsw\tests\suites\oaipmh\get\requests.txt
pycsw\tests\suites\repofilter\default.cfg
pycsw\tests\suites\repofilter\post\GetRecordById-masked.xml
pycsw\tests\suites\repofilter\post\GetRecords-all.xml
pycsw\tests\suites\sru\default.cfg
pycsw\tests\suites\sru\get\requests.txt
pycsw\tests\suites\utf-8\default.cfg
pycsw\tests\suites\utf-8\post\GetCapabilities.xml
1269 File(s) copied

E:\>PAUSE Membuat Direktori PALAPA_DATA
Press any key to continue . . .

```

Proses Copy Data

```

Administrator: Command Prompt - bat_palapa2.bat
pycsw\tests\suites\utf-8\default.cfg
pycsw\tests\suites\utf-8\post\GetCapabilities.xml
1269 File(s) copied

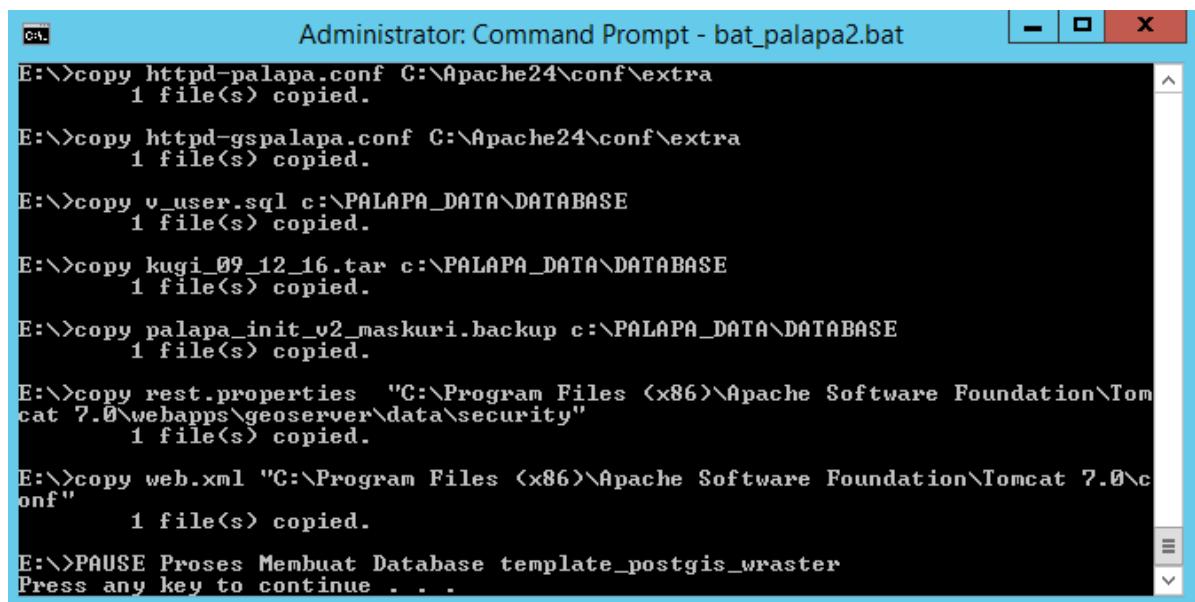
E:\>PAUSE Membuat Direktori PALAPA_DATA
Press any key to continue . . .

E:\>md c:\PALAPA_DATA
E:\>md c:\PALAPA_DATA\DATA
E:\>md c:\PALAPA_DATA\DOCUMENTS
E:\>md c:\PALAPA_DATA\STORE
E:\>md c:\PALAPA_DATA\UPLOADS
E:\>md c:\PALAPA_DATA\DOWNLOADS
E:\>md c:\PALAPA_DATA\DATABASE
E:\>md c:\PALAPA_DATA\LIB

E:\>PAUSE Proses Copi Data
Press any key to continue . . .

```

Membuat Database User Role template_postgis_wraster



```

Administrator: Command Prompt - bat_palapa2.bat

E:\>copy httpd-palapa.conf C:\Apache24\conf\extra
    1 file(s) copied.

E:\>copy httpd-gspalapa.conf C:\Apache24\conf\extra
    1 file(s) copied.

E:\>copy v_user.sql c:\PALAPA_DATA\DATABASE
    1 file(s) copied.

E:\>copy kugi_09_12_16.tar c:\PALAPA_DATA\DATABASE
    1 file(s) copied.

E:\>copy palapa_init_v2_maskuri.backup c:\PALAPA_DATA\DATABASE
    1 file(s) copied.

E:\>copy rest.properties "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\webapps\geoserver\data\security"
    1 file(s) copied.

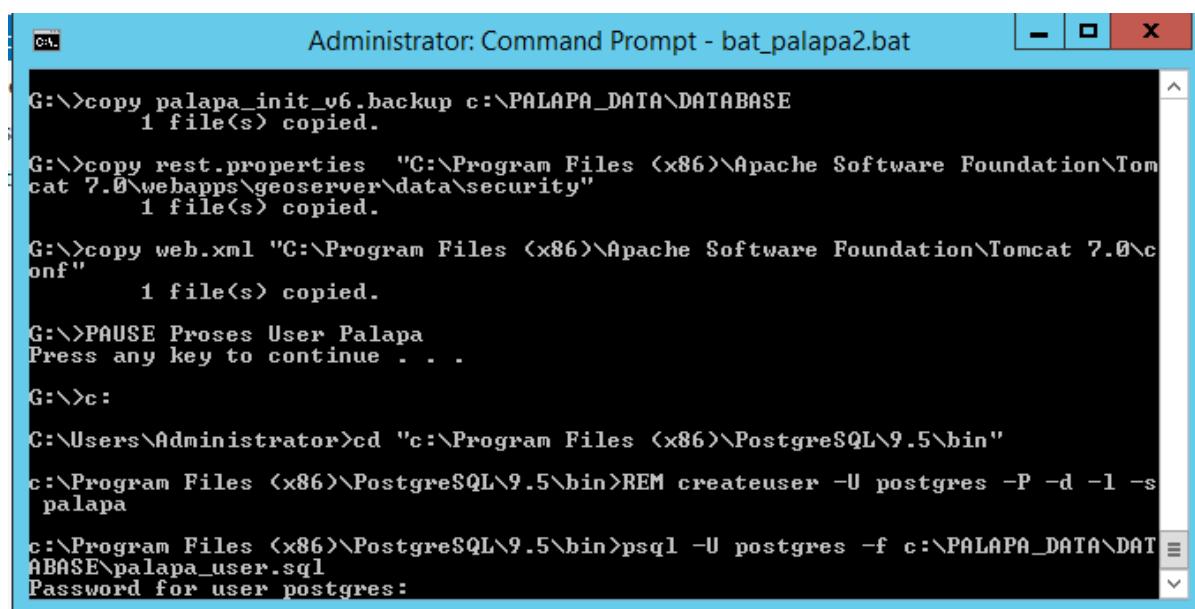
E:\>copy web.xml "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\conf"
    1 file(s) copied.

E:\>PAUSE Proses Membuat Database template_postgis_wraster
Press any key to continue . . .

```

Membuat Password User Role Palapa

Ketik password for user postgres: 1234



```

Administrator: Command Prompt - bat_palapa2.bat

G:\>copy palapa_init_v6.backup c:\PALAPA_DATA\DATABASE
    1 file(s) copied.

G:\>copy rest.properties "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\webapps\geoserver\data\security"
    1 file(s) copied.

G:\>copy web.xml "C:\Program Files (x86)\Apache Software Foundation\Tomcat 7.0\conf"
    1 file(s) copied.

G:\>PAUSE Proses User Palapa
Press any key to continue . . .

G:\>c:
C:\Users\Administrator>cd "c:\Program Files (x86)\PostgreSQL\9.5\bin"
c:\Program Files (x86)\PostgreSQL\9.5\bin>REM createuser -U postgres -P -d -l -s
palapa
c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -f c:\PALAPA_DATA\DAT
ABASE\palapa_user.sql
Password for user postgres:

```

Ketik password 1234 untuk user postgres

```
Administrator: Command Prompt - bat_db.bat
uri.backup
'pg_restore' is not recognized as an internal or external command,
operable program or batch file.

E:\>REM psql -U postgres -d palapa -f C:\PALAPA_DATA\DATABASE\v_user.sql
E:\>PAUSE Proses Membuat Database template_palapa
Press any key to continue . . .
Terminate batch job <Y/N>? Y

E:\>bat_db.bat

E:\>PAUSE Proses Membuat Database template_postgis_wraster
Press any key to continue . . .

E:\>c:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createuser -U postgres -P -d -l -s palapa
Enter password for new role:
Enter it again:
Password:
```

Membuat Database template_postgis_wraster

```
Administrator: Command Prompt - bat_db.bat
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>e:
E:\>bat_db.bat

E:\>PAUSE Proses User Palapa
Press any key to continue . . .

E:\>c:

C:\Users\Administrator>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createuser -U postgres -P -d -l -s palapa
Enter password for new role:
Enter it again:
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_postgis_wraster
Press any key to continue . . .
```

Ketik 1234

```
C:\Users\Administrator>e:
E:\>bat_db.bat

E:\>PAUSE Proses User Palapa
Press any key to continue . . .

E:\>c:

C:\Users\Administrator>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createuser -U postgres -P -d -l -s palapa
Enter password for new role:
Enter it again:
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_postgis_wraster
Press any key to continue . . .

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres -O palapa template_postgis_wraster
Password:
```

Ketik 1234

```

Administrator: Command Prompt - bat_db.bat
E:\>PAUSE Proses User Palapa
Press any key to continue . . .
E:\>c:
C:\Users\Administrator>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createuser -U postgres -P -d -l -s palapa
Enter password for new role:
Enter it again:
Password:
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_postgis_wraster
Press any key to continue . . .
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres -O palapa template_postgis_wraster
Password:
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>psql -U postgres -d template_postgis_wraster -f "C:\Program Files (<x86>)\PostgreSQL\9.5\share\contrib\postgis-2.3\postgis.sql"
Password for user postgres: 

```

Ketik 1234

```

Administrator: Command Prompt - bat_db.bat
CREATE OPERATOR FAMILY
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE OPERATOR FAMILY
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE OPERATOR FAMILY
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
GRANT
GRANT
GRANT
COMMIT

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>psql -U postgres -d template_postgis_wraster -f "C:\Program Files (<x86>)\PostgreSQL\9.5\share\contrib\postgis-2.3\spatial_ref_sys.sql"
Password for user postgres: 

```

Ketik 1234

```
Administrator: Command Prompt - bat_db.bat
INSERT 0 1
COMMIT
ANALYZE

c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -d template_postgis_w
raster -f "C:\Program Files (x86)\PostgreSQL\9.5\share\contrib\postgis-2.3\rtpos
tgis.sql"
Password for user postgres:
```

Membuat Database palapa dan ADMIN

```
Administrator: Command Prompt - bat_db.bat
CREATE FUNCTION
CREATE FUNCTION
CREATE VIEW
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE VIEW
CREATE FUNCTION
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palapa d
an ADMIN
Press any key to continue . . .
```

Ketik 1234

```
Administrator: Command Prompt - bat_db.bat
CREATE FUNCTION
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palapa d
an ADMIN
Press any key to continue . . .

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_postgis_wraster palapa
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_postgis_wraster ADMIN
Password:
```

Restore Database palapa

```
Administrator: Command Prompt - bat_db.bat
CREATE FUNCTION
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palapa d
an ADMIN
Press any key to continue . . .

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_postgis_wraster palapa
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_postgis_wraster ADMIN
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Resore Database palapa
Press any key to continue . . .
```

Ketik 1234

```

CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palapa dan ADMIN
Press any key to continue . . .

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_postgis_wraster palapa
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_postgis_wraster ADMIN
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Resore Database palapa
Press any key to continue . . .

c:\Program Files (x86)\PostgreSQL\9.5\bin>pg_restore -U postgres -d palapa C:\PALAPA_DATA\DATABASE\palapa_init_v2_maskuri.backup
Password:

```

Membuat Database template_palapa

```

FINALFUN...
pg_restore: [archiver (db)] Error from TOC entry 1788; 1255 1326583 AGGREGATE st_countagg(raster, integer, boolean) postgres
pg_restore: [archiver (db)] could not execute query: ERROR:  function "st_countagg" already exists with same argument types
Command was: CREATE AGGREGATE st_countagg(raster, integer, boolean) (
    SFUNC = public._st_countagg_transfn,
    STYPE = agg_count,
    ...
)
pg_restore: [archiver (db)] Error from TOC entry 1789; 1255 1326584 AGGREGATE st_countagg(raster, integer, boolean, double precision) postgres
pg_restore: [archiver (db)] could not execute query: ERROR:  function "st_countagg" already exists with same argument types
Command was: CREATE AGGREGATE st_countagg(raster, integer, boolean, double precision) (
    SFUNC = public._st_countagg_transfn,
    STYPE...
WARNING: errors ignored on restore: 22

c:\Program Files (x86)\PostgreSQL\9.5\bin>REM psql -U postgres -d palapa -f C:\PALAPA_DATA\DATABASE\v_user.sql

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_palapa
Press any key to continue . . .

```

Ketik 1234

```

Administrator: Command Prompt - bat_db.bat
pg_restore: [archiver {db}] Error from TOC entry 1789; 1255 1326584 AGGREGATE st_countagg(raster, integer, boolean, double precision) postgres
pg_restore: [archiver {db}] could not execute query: ERROR:  function "st_countagg" already exists with same argument types
        Command was: CREATE AGGREGATE st_countagg(raster, integer, boolean, double precision) (
            SFUNC = public._st_countagg_transfn,
            STYPE...
WARNING: errors ignored on restore: 22

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>REM psql -U postgres -d palapa -f C:\PALAPA_DATA\DATABASE\v_user.sql
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_palapa
Press any key to continue . . .
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>c:
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres -O palapa template_palapa
Password: 

```

Ketik 1234

```

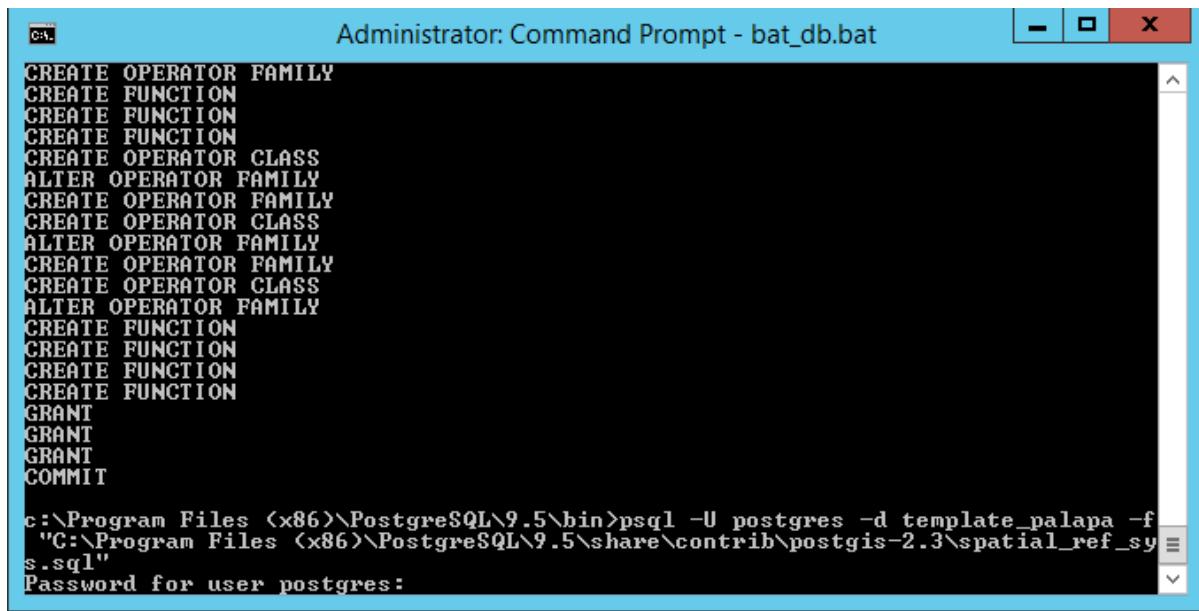
Administrator: Command Prompt - bat_db.bat
Command was: CREATE AGGREGATE st_countagg(raster, integer, boolean, double precision) (
    SFUNC = public._st_countagg_transfn,
    STYPE...
WARNING: errors ignored on restore: 22

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>REM psql -U postgres -d palapa -f C:\PALAPA_DATA\DATABASE\v_user.sql
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database template_palapa
Press any key to continue . . .
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>c:
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>cd "c:\Program Files (<x86>)\PostgreSQL\9.5\bin"
c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres -O palapa template_palapa
Password: 

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>psql -U postgres -d template_palapa -f "C:\Program Files (<x86>)\PostgreSQL\9.5\share\contrib\postgis-2.3\postgis.sql"
Password for user postgres: 

```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
CREATE OPERATOR FAMILY
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE OPERATOR FAMILY
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE OPERATOR FAMILY
CREATE OPERATOR CLASS
ALTER OPERATOR FAMILY
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
GRANT
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -d template_palapa -f
"C:\Program Files (x86)\PostgreSQL\9.5\share\contrib\postgis-2.3\spatial_ref_sy
s.sql"
Password for user postgres:
```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
INSERT 0 1
COMMIT
ANALYZE

c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -d template_palapa -f
"C:\Program Files (x86)\PostgreSQL\9.5\share\contrib\postgis-2.3\rtpostgis.sql"
Password for user postgres: _
```

Ketik 1234

```
CREATE FUNCTION
CREATE VIEW
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE VIEW
CREATE FUNCTION
GRANT
GRANT
COMMIT

c:\Program Files (x86)\PostgreSQL\9.5\bin>psql -U postgres -d template_palapa -f "C:\Program Files (x86)\PostgreSQL\9.5\share\contrib\postgis-2.3\topology.sql"
Password for user postgres:
```

Ketik 1234

Ketik 1234

Ketik 1234

Restore Database palapa

Membuaat Database palapa_dev, palapa_pub, palapa_prod dan ADMIN_DEV

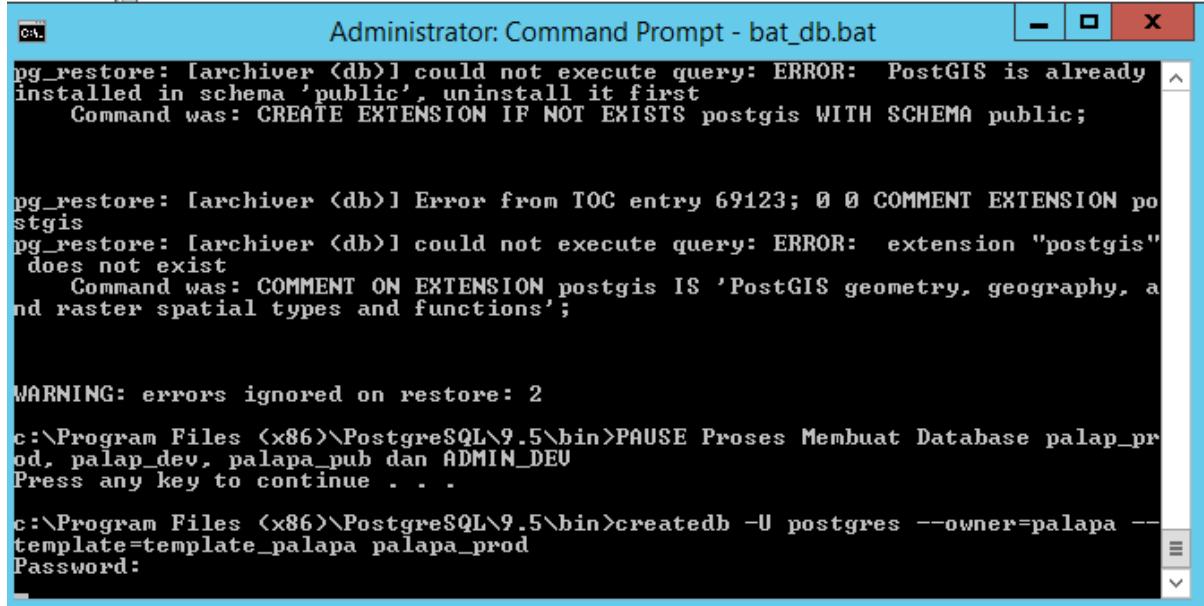
```
Administrator: Command Prompt - bat_db.bat
apa C:\PALAPA_DATA\DATABASE\kugi_09_12_16.tar
Password:
pg_restore: [archiver <db>] Error while PROCESSING TOC:
pg_restore: [archiver <db>] Error from TOC entry 10622; 3079 1199401 EXTENSION p
ostgis
pg_restore: [archiver <db>] could not execute query: ERROR: PostGIS is already
installed in schema 'public', uninstall it first
    Command was: CREATE EXTENSION IF NOT EXISTS postgis WITH SCHEMA public;

pg_restore: [archiver <db>] Error from TOC entry 69123; 0 0 COMMENT EXTENSION po
stgis
pg_restore: [archiver <db>] could not execute query: ERROR: extension "postgis"
does not exist
    Command was: COMMENT ON EXTENSION postgis IS 'PostGIS geometry, geography, a
nd raster spatial types and functions';

WARNING: errors ignored on restore: 2

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_pr
od, palap_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .
```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
pg_restore: [archiver <db>] could not execute query: ERROR: PostGIS is already installed in schema 'public', uninstall it first
    Command was: CREATE EXTENSION IF NOT EXISTS postgis WITH SCHEMA public;

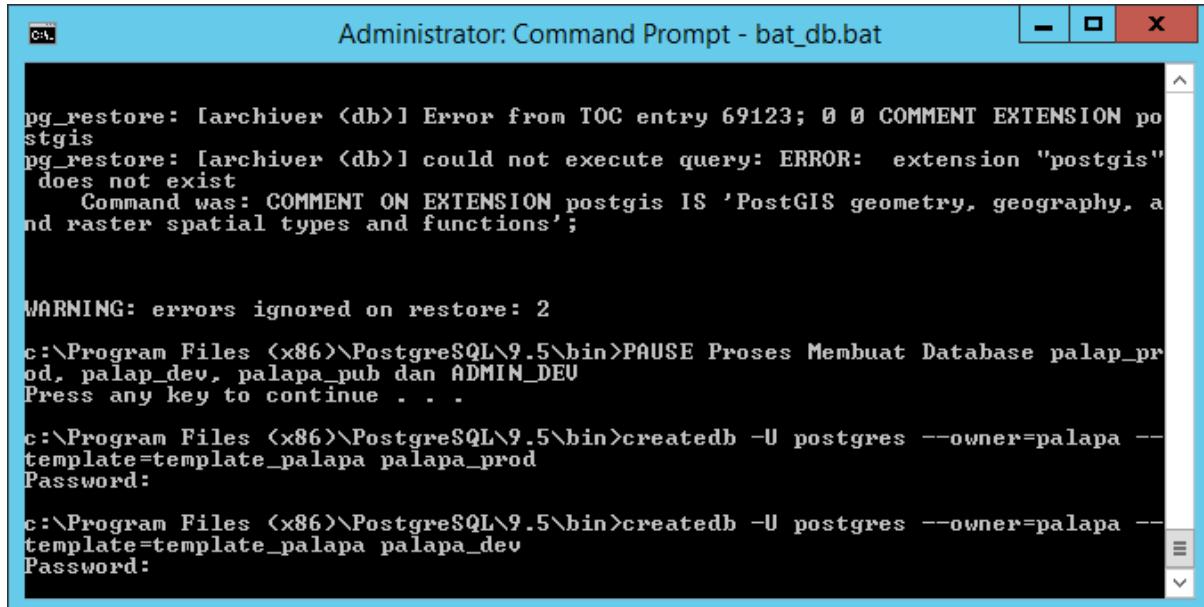
pg_restore: [archiver <db>] Error from TOC entry 69123; 0 0 COMMENT EXTENSION postgis
pg_restore: [archiver <db>] could not execute query: ERROR: extension "postgis" does not exist
    Command was: COMMENT ON EXTENSION postgis IS 'PostGIS geometry, geography, and raster spatial types and functions';

WARNING: errors ignored on restore: 2

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_prod, palap_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_prod
Password:
```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
pg_restore: [archiver <db>] Error from TOC entry 69123; 0 0 COMMENT EXTENSION postgis
pg_restore: [archiver <db>] could not execute query: ERROR: extension "postgis" does not exist
    Command was: COMMENT ON EXTENSION postgis IS 'PostGIS geometry, geography, and raster spatial types and functions';

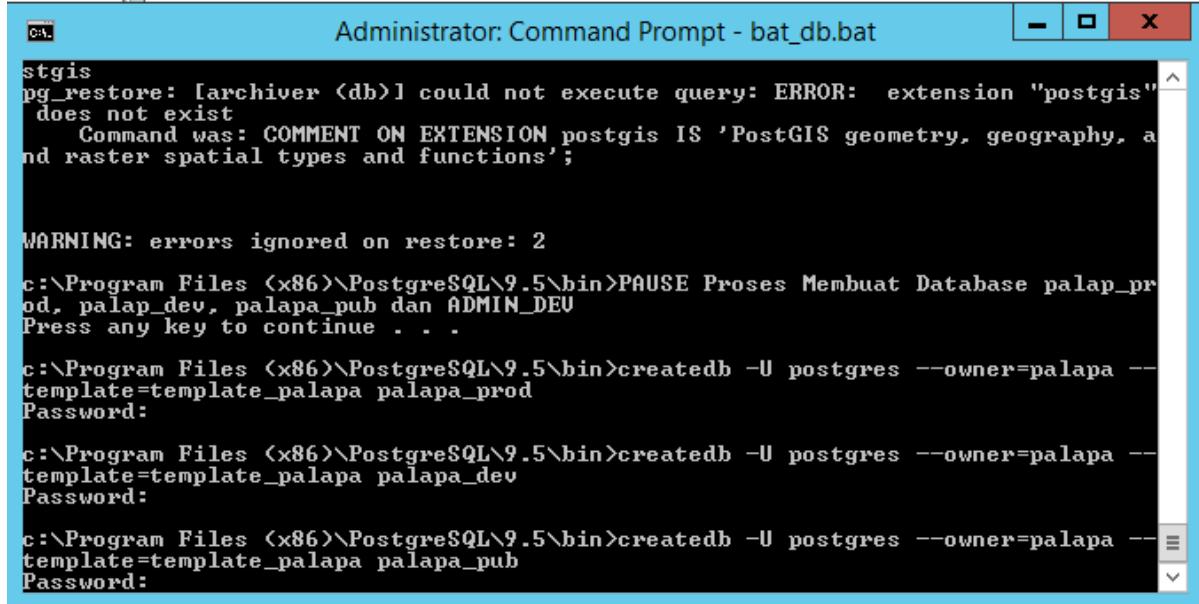
WARNING: errors ignored on restore: 2

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_prod, palap_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_prod
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_dev
Password:
```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
stgis
pg_restore: [archiver <db>] could not execute query: ERROR: extension "postgis" does not exist
  Command was: COMMENT ON EXTENSION postgis IS 'PostGIS geometry, geography, and raster spatial types and functions';

WARNING: errors ignored on restore: 2

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_prod, palapa_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_prod
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_dev
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_pub
Password:
```

Ketik 1234



```
Administrator: Command Prompt - bat_db.bat
nd raster spatial types and functions';

WARNING: errors ignored on restore: 2

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_prod, palapa_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_prod
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_dev
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa palapa_pub
Password:

c:\Program Files (<x86>)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --template=template_palapa ADMIN_DEV
Password:
```

Instalasi Library pycsw, pyheometa

```

Administrator: Command Prompt - bat_db.bat

WARNING: errors ignored on restore: 2

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Membuat Database palap_pr
od, palap_dev, palapa_pub dan ADMIN_DEV
Press any key to continue . . .

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_palapa palapa_prod
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_palapa palapa_dev
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_palapa palapa_pub
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>createdb -U postgres --owner=palapa --
template=template_palapa ADMIN_DEV
Password:

c:\Program Files (x86)\PostgreSQL\9.5\bin>PAUSE Proses Instalasi Library Palapa
Press any key to continue . . .

```

Instalasi gspalapa-api

```

Administrator: Command Prompt - bat_db.bat

file:///C:/PALAPA_DATA/LIB/pyproj-1.9.5.1-cp27-cp27m-win32.whl in c:\python27\lib\site-packages
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

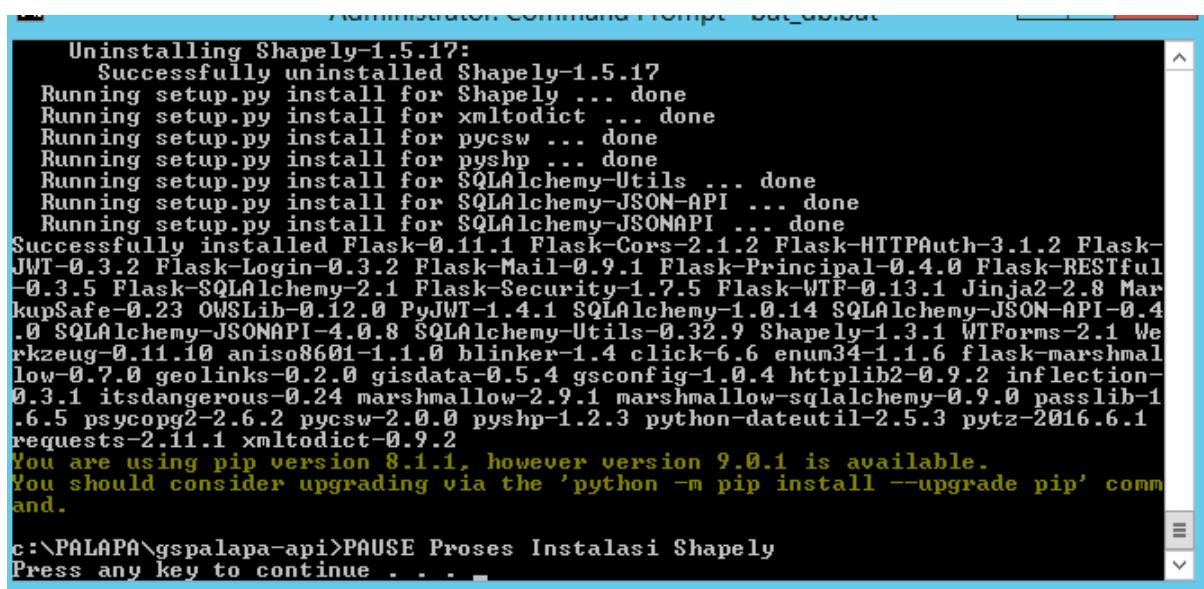
c:\PALAPA_DATA\LIB>pip install Shapely-1.5.17-cp27-cp27m-win32.whl
Processing c:\palapa_data\lib\shapely-1.5.17-cp27-cp27m-win32.whl
Installing collected packages: Shapely
Successfully installed Shapely-1.5.17
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

c:\PALAPA_DATA\LIB>pip install dbfread
Collecting dbfread
  Downloading dbfread-2.0.7-py2.py3-none-any.whl
Installing collected packages: dbfread
Successfully installed dbfread-2.0.7
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

c:\PALAPA_DATA\LIB>PAUSE Proses Instalasi gspalapa-api
Press any key to continue . . .

```

Proses instalasi Shapely



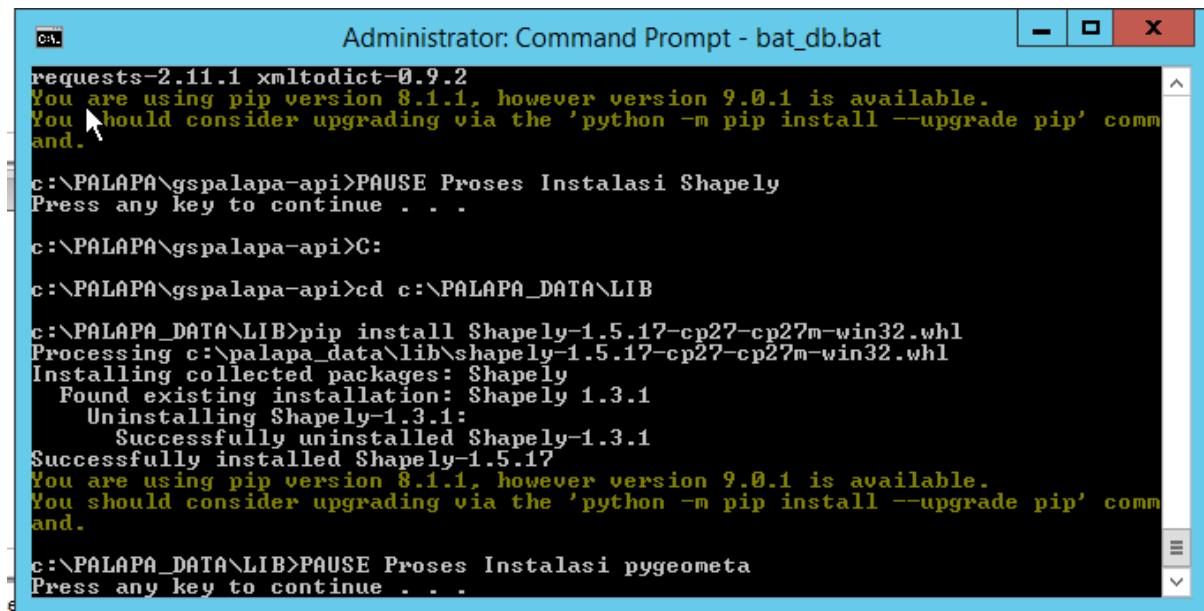
```

Administrator: Command Prompt - bat_db.bat
Uninstalling Shapely-1.5.17:
Successfully uninstalled Shapely-1.5.17
Running setup.py install for Shapely ... done
Running setup.py install for xmltodict ... done
Running setup.py install for pycsw ... done
Running setup.py install for pyshp ... done
Running setup.py install for SQLAlchemy-Utils ... done
Running setup.py install for SQLAlchemy-JSON-API ... done
Running setup.py install for SQLAlchemy-JSONAPI ... done
Successfully installed Flask-0.11.1 Flask-Cors-2.1.2 Flask-HTTPIAuth-3.1.2 Flask-JWT-0.3.2 Flask-Login-0.3.2 Flask-Mail-0.9.1 Flask-Principal-0.4.0 Flask-RESTful-0.3.5 Flask-SQLAlchemy-2.1 Flask-Security-1.7.5 Flask-WTF-0.13.1 Jinja2-2.8 MarkeupSafe-0.23 OWSLib-0.12.0 PyJWT-1.4.1 SQLAlchemy-1.0.14 SQLAlchemy-JSON-API-0.4.0 SQLAlchemy-JSONAPI-4.0.8 SQLAlchemy-Utils-0.32.9 Shapely-1.3.1 WTForms-2.1 Werkzeug-0.11.10 aniso8601-1.1.0 blinker-1.4 click-6.6 enum34-1.1.6 flask-marshmallow-0.7.0 geolinks-0.2.0 gisdata-0.5.4 gsconfig-1.0.4 httplib2-0.9.2 inflection-0.3.1 itsdangerous-0.24 marshmallow-2.9.1 marshmallow-sqlalchemy-0.9.0 passlib-1.6.5 psycopg2-2.6.2 pycsw-2.0.0 pyshp-1.2.3 python-dateutil-2.5.3 pytz-2016.6.1 requests-2.11.1 xmltodict-0.9.2
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

c:\PALAPA\gspalapa-api>PAUSE Proses Instalasi Shapely
Press any key to continue . . .

```

Proses Instalasi pygeometra



```

Administrator: Command Prompt - bat_db.bat
requests-2.11.1 xmltodict-0.9.2
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

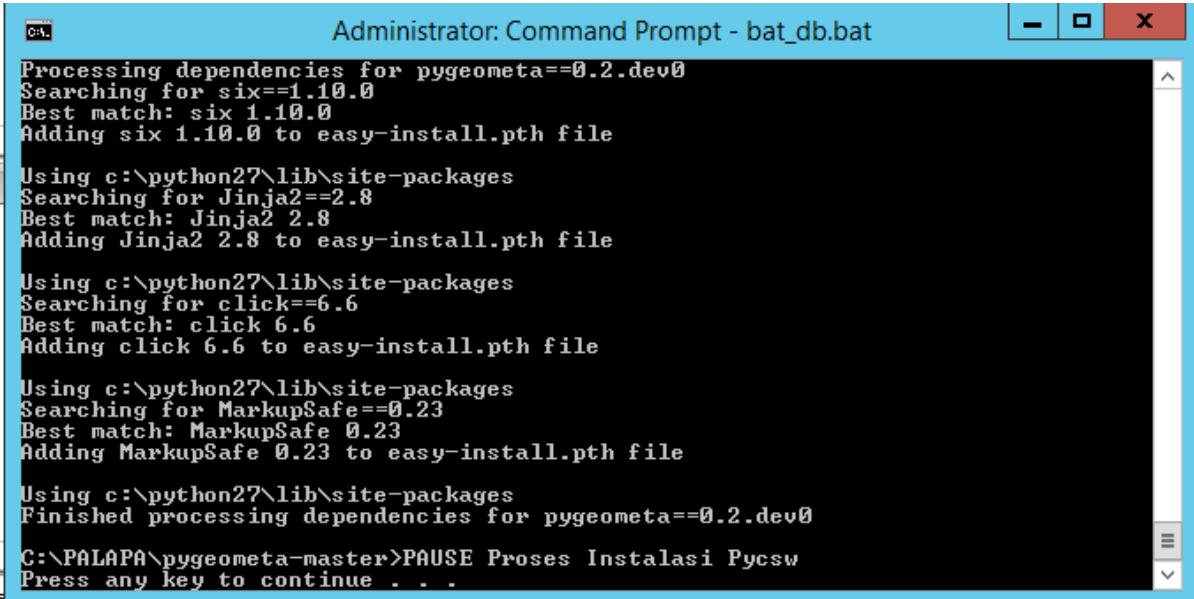
c:\PALAPA\gspalapa-api>PAUSE Proses Instalasi Shapely
Press any key to continue . . .

c:\PALAPA\gspalapa-api>C:
c:\PALAPA\gspalapa-api>cd c:\PALAPA_DATA\LIB
c:\PALAPA_DATA\LIB>pip install Shapely-1.5.17-cp27-cp27m-win32.whl
Processing c:\palapa_data\lib\shapely-1.5.17-cp27-cp27m-win32.whl
Installing collected packages: Shapely
  Found existing installation: Shapely 1.3.1
    Uninstalling Shapely-1.3.1:
      Successfully uninstalled Shapely-1.3.1
Successfully installed Shapely-1.5.17
You are using pip version 8.1.1, however version 9.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

c:\PALAPA_DATA\LIB>PAUSE Proses Instalasi pygeometra
Press any key to continue . .

```

Proses Instalasi pycsw



```

Administrator: Command Prompt - bat_db.bat

Processing dependencies for pygeometra==0.2.dev0
Searching for six==1.10.0
Best match: six 1.10.0
Adding six 1.10.0 to easy-install.pth file

Using c:\python27\lib\site-packages
Searching for Jinja2==2.8
Best match: Jinja2 2.8
Adding Jinja2 2.8 to easy-install.pth file

Using c:\python27\lib\site-packages
Searching for click==6.6
Best match: click 6.6
Adding click 6.6 to easy-install.pth file

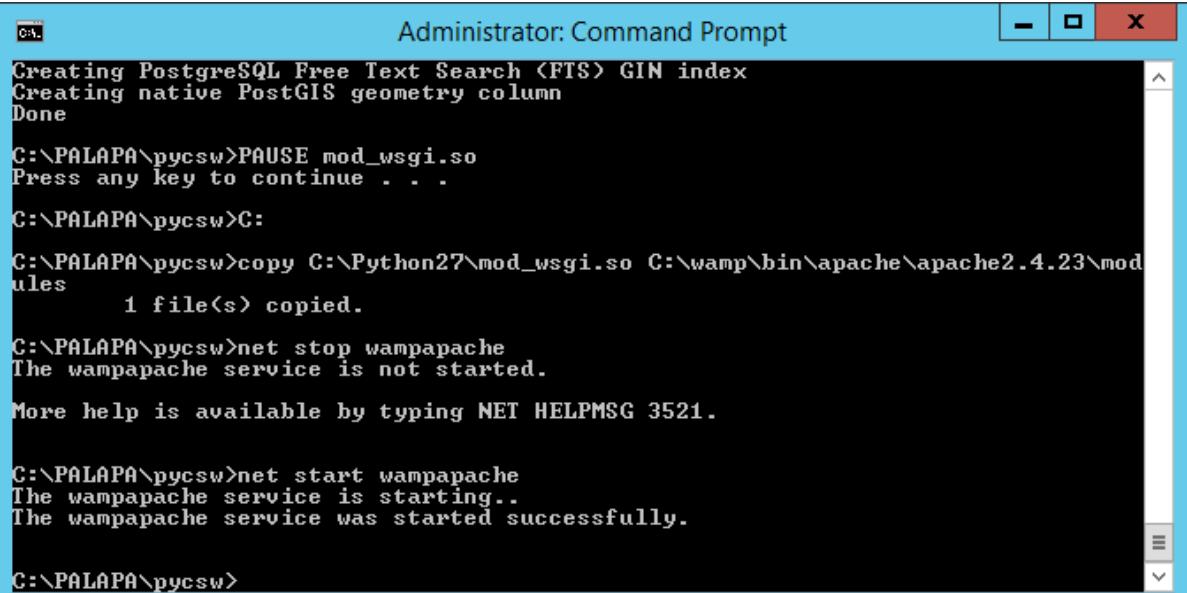
Using c:\python27\lib\site-packages
Searching for MarkupSafe==0.23
Best match: MarkupSafe 0.23
Adding MarkupSafe 0.23 to easy-install.pth file

Using c:\python27\lib\site-packages
Finished processing dependencies for pygeometra==0.2.dev0

C:\PALAPA\pygeometra-master>PAUSE Proses Instalasi Pycsw
Press any key to continue . . .

```

Proses Instalasi Service Wamp Server Berhasil



```

Administrator: Command Prompt

Creating PostgreSQL Free Text Search (FTS) GIN index
Creating native PostGIS geometry column
Done

C:\PALAPA\pycsw>PAUSE mod_wsgi.so
Press any key to continue . . .

C:\PALAPA\pycsw>C:

C:\PALAPA\pycsw>copy C:\Python27\mod_wsgi.so C:\wamp\bin\apache\apache2.4.23\modules
      1 file(s) copied.

C:\PALAPA\pycsw>net stop wampapache
The wampapache service is not started.

More help is available by typing NET HELPMSG 3521.

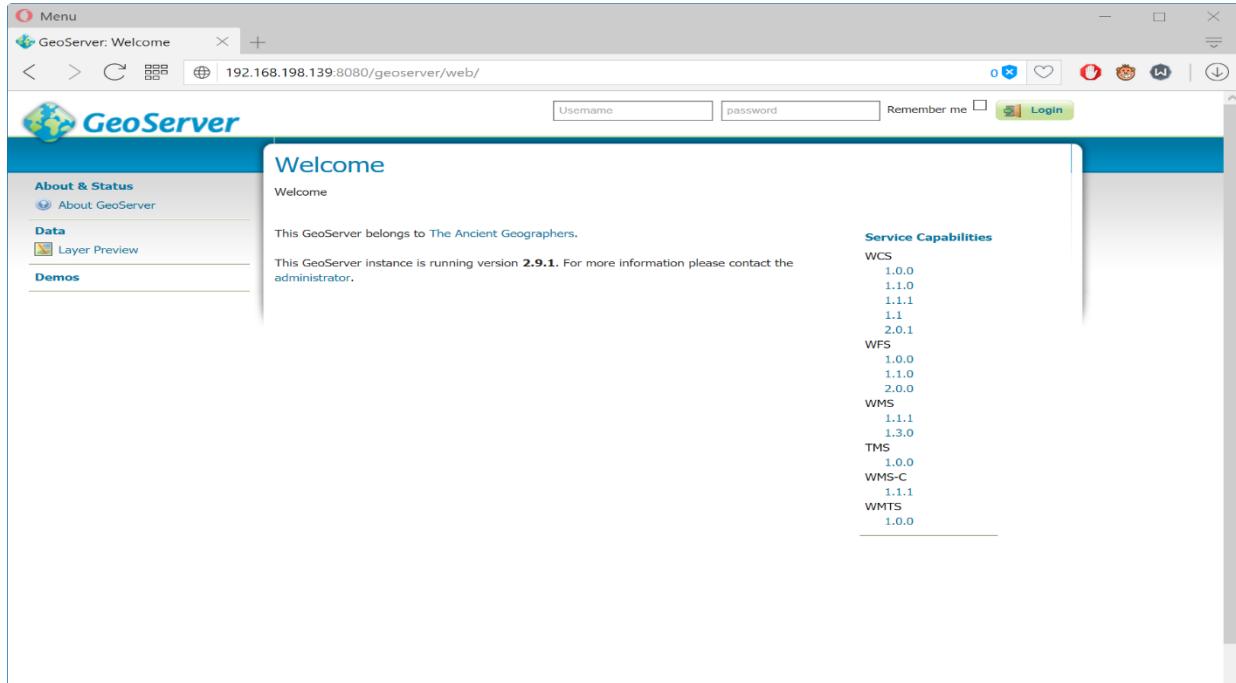
C:\PALAPA\pycsw>net start wampapache
The wampapache service is starting..
The wampapache service was started successfully.

C:\PALAPA\pycsw>

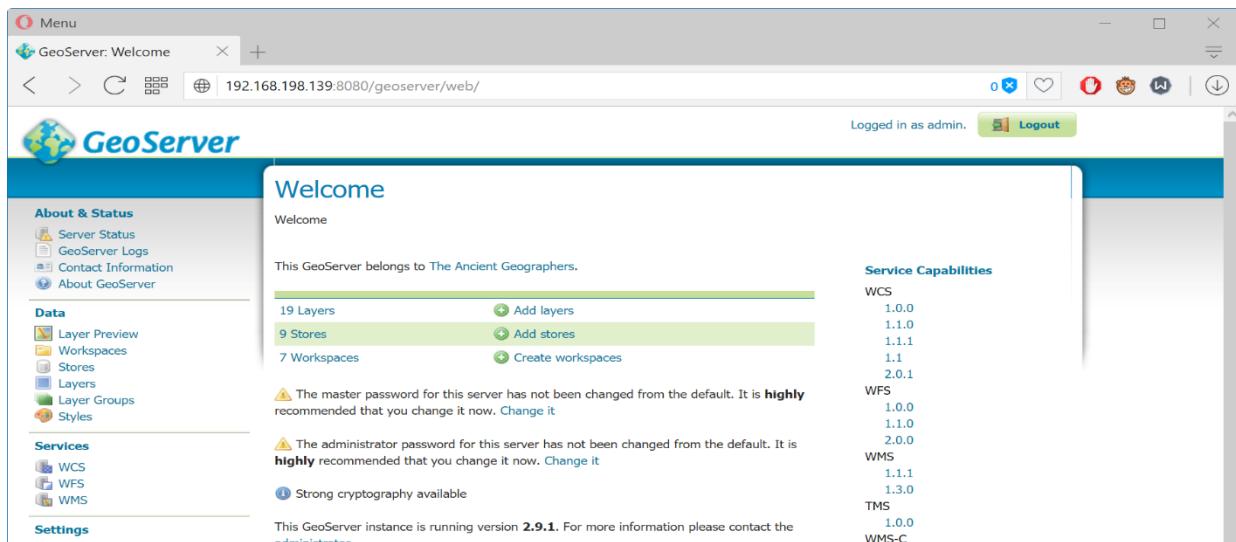
```

Setting Geoserver

1. Login di Geoserver isi username = admin dan password =geoserver lalu klik login



2. Maka akan tampak tampilan seperti dibawah ini:



3. Klik Add new pada bagian User Group Services dan Role Services

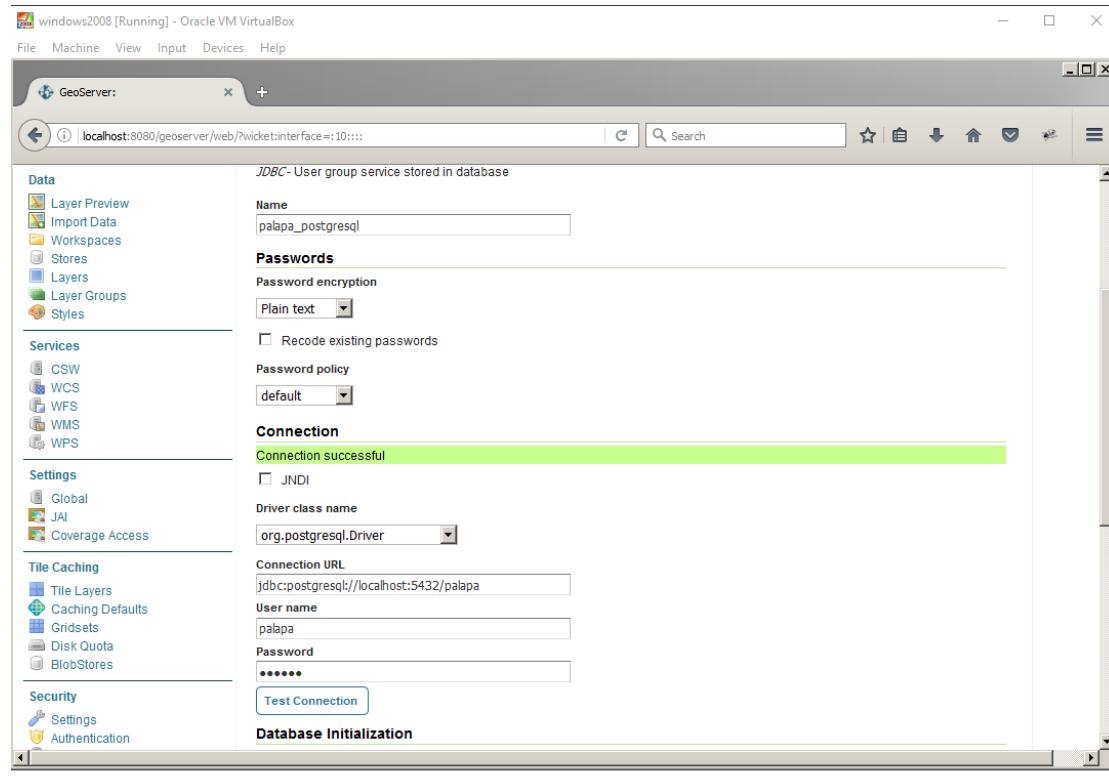
The screenshot shows the GeoServer interface for managing user group services and role services. The left sidebar contains links for About & Status, Data, Services, Settings, Tile Caching, and Security. The main content area has tabs for Services, Users/Groups, and Roles, with the Users/Groups tab selected. Under 'User Group Services', there is a table with one item: 'default' (Type: Default XML user/group service, Password Encryption: Digest, Password Policy: default). Under 'Role Services', there is a table with one item: 'default' (Type: Default XML role service, Administrator Role: ADMIN). Both tables have 'Add new' and 'Remove selected' buttons above them. A search bar is also present in both sections.

Name	Type	Password Encryption	Password Policy
default	Default XML user/group service	Digest	default

Name	Type	Administrator Role
default	Default XML role service	ADMIN

4. Membuat User Group Service. Klik tombol Add new lalu berikan isian sbb:

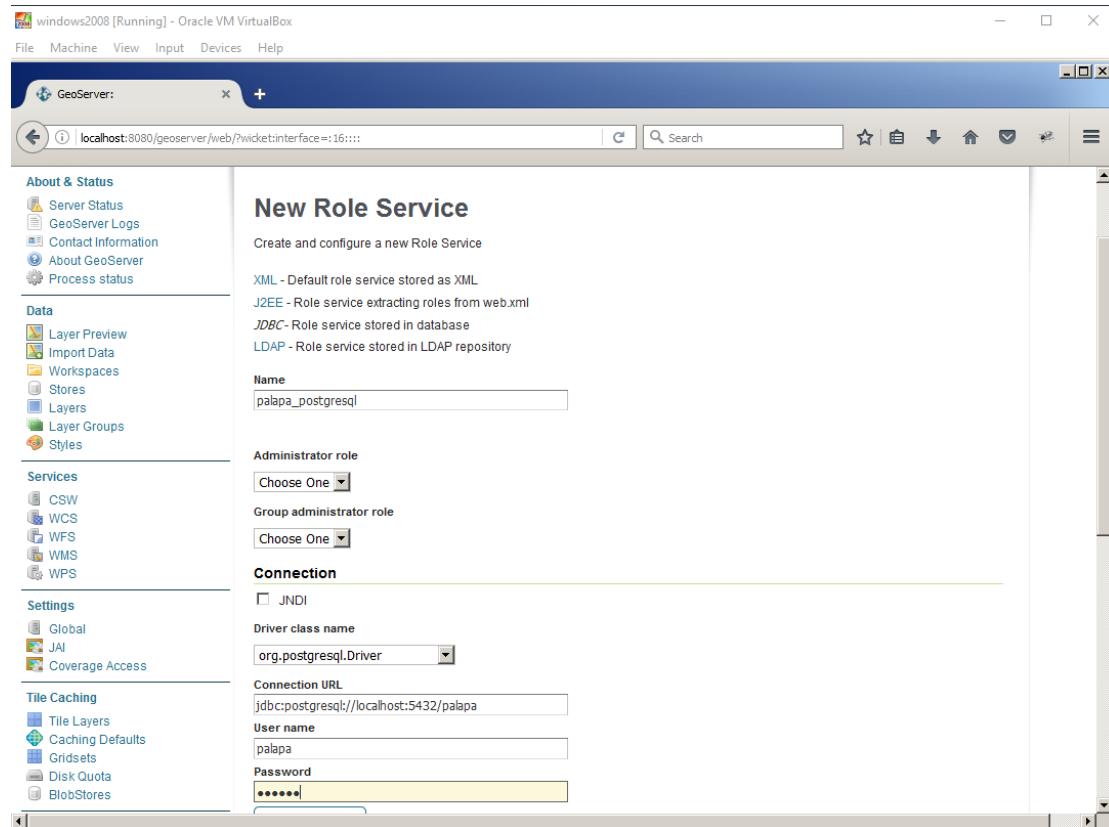
1. Pilih jdbc
2. Isi Name = palapa_postgresql
3. Password encryption = Plain Text
4. Password policy = default
5. Untuk Driver = org.postgresql.Driver
6. Coneksi URL = jdbc:postgresql://localhost:5432/palapa
7. Username = palapa
8. Password = palapa
9. Klik Test Connection



1. Membuat Role Service baru

1. Pilih jdbc
2. Isi Name = palapa_postgresql

3. Untuk Driver = org.postgresql.Driver
4. Conection URL = jdbc:postgresql://localhost:5432/palapa
5. Username = palapa
6. Password = palapa
7. Password encruption = Plain Text
8. Klik Test Conection



2. Save untuk menyimpan Instalasi

3. Mengatur JDBC Role Service. Klik Bagian **ROLES**, dan ubah Administrator Role and Group Role to ADMINISTRATOR and GROUP_ADMINISTRATOR . Kemudian tekan Tombol **SAVE**

Name	Type	Password Encryption	Password Policy
default	Default XML user/group service	Digest	default
palapa_postgresql	JDBC user/group service	Plain text	default

Name	Type	Administrator Role
default	Default XML role service	ADMIN
palapa_postgresql	JDBC role service	

JDBC Role Service

Role service stored in database

Settings **Roles**

The screenshot shows the GeoServer Settings page. On the left, there's a sidebar with various tabs: Data, Services, Settings, Tile Caching, Security, Demos, and Tools. The main area is titled 'Settings' and contains fields for a new database connection:

- Name:** palapa_postgresql
- Administrator role:** ADMINISTRATOR
- Group administrator role:** GROUP_ADMINISTRATOR
- Connection:** JNDI (selected)
- Driver class name:** org.postgresql.Driver
- Connection URL:** jdbc:postgresql://localhost:5432/palapa
- User name:** palapa
- Password:** (redacted)

Below these fields is a green 'Test Connection' button. Further down, under 'Database Initialization', there are fields for creating database tables, DDL file (rolesddl.xml), and DML file (rolesdml.xml).

8. Klik menu **Authentication**, hasilnya seperti di bawah ini. Lanjut pada bagian **Authentication Provider** posisi dibawah. klik **Add New**

The screenshot shows the 'Authentication' configuration page. It includes sections for Logout settings, SSL settings, Authentication Filters, Filter Chains, and Filter chain testing.

Logout settings: Redirect URL after logout is set to /web/.

SSL settings: SSL Port is set to 443.

Authentication Filters: A table lists four authentication filters:

Name	Type
anonymous	Anonymous authentication
basic	Basic HTTP authentication
form	Form authentication
rememberme	Remember me authentication

Filter Chains: A table lists six filter chains:

Position	Name	Patterns	Check HTTP Method	HTTP methods	No Security	HTTP Session	SSL	Role Filter	Remove
↓	web	/web/**,/gwc/rest/web/**,/			✓	✓			
↑ ↓	webLogin	/j_spring_security_check,/j_spring_security_logout/			✓	✓			
↑ ↓	webLogout	/j_spring_security_logout,/j_spring_security_logout/			✓	✓			
↑ ↓	rest	/rest/**			✓	✓			
↑ ↓	gwc	/gwc/rest/**			✓	✓			
↑	default	/**			✓	✓			

Filter chain testing: The 'HTTP method for testing' is set to GET, and the 'URL path for testing' is /.

Filter Chains

Add service chain
Add HTML chain

Position	Name	Patterns	Check HTTP Method	HTTP methods	No Security	HTTP Session	SSL	Role Filter	Remove
↓	web	/web/**,/gwc/rest/web/**,/			✓				✖
↑ ↓	webLogin	/j_spring_security_check,/j_spring_security_check/			✓				
↑ ↓	webLogout	/j_spring_security_logout,/j_spring_security_logout/							
↑ ↓	rest	/rest/**							✖
↑ ↓	gwc	/gwc/rest/**							✖
↑ ↓	default	/**							✖

<< < > >> Results 1 to 6 (out of 6 items)

Filter chain testing

HTTP method for testing: GET

URL path for testing:

Find chain

Responsible chain:

Authentication Providers

Add new
Remove selected

Name	Type
default	Basic username/password authentication

<< < > >> Results 1 to 1 (out of 1 items)

Provider Chain

Available	Selected
	default

9. Select JDBC, give name gsmanager, driver connection to, connection URL to for example

- a) Pilih JDBC
- b) Name = palapa_postgresql
- c) Driver Class = org.postgresql.Driver
- d) Connection URL = jdbc:postgresql:palapa
- e) Tekan Save.

The screenshot shows the 'JDBC Authentication Provider palapa_postgresql' configuration page. The left sidebar contains links for 'About & Status', 'Data' (Layer Preview, Workspaces, Stores, Layers, Layer Groups, Styles), 'Services' (WMTS, WCS, WFS, WMS), 'Settings' (Global, Image Processing, Raster Access), 'Tile Caching' (Tile Layers, Caching Defaults, Gridsets, Disk Quota, BlobStores), and 'Security'. The main content area has a title 'JDBC Authentication Provider palapa_postgresql' and a subtitle 'Authentication via a database connection'. It includes fields for 'Name' (set to 'palapa_postgresql'), 'User group service' (set to 'palapa_postgresql'), 'Connection' (Driver class name set to 'org.postgresql.Driver', Connection URL set to 'jdbc:postgresql:palapa'), and a 'Test connection with user/password' section with 'User name' and 'Password' fields and a 'Test Connection' button. At the bottom are 'Save' and 'Cancel' buttons.

About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WMTS
- WCS
- WFS
- WMS

Settings

- Global
- Image Processing
- Raster Access

Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota
- BlobStores

Security

- Settings

JDBC Authentication Provider palapa_postgresql

Authentication via a database connection

Name: palapa_postgresql

User group service: palapa_postgresql

Connection

Driver class name: org.postgresql.Driver

Connection URL: jdbc:postgresql:palapa

Test connection with user/password

User name:

Password:

Test Connection

Save Cancel

9. Hasilnya akan tampak seperti di bawah ini

HTTP method for testing
GET

URL path for testing

Find chain

Responsible chain

Authentication Providers

- Add new
- Remove selected

Name	Type
default	Basic username/password authentication
palapa_postgresql	JDBC database authentication

<< < 1 > >> Results 1 to 1 (out of 1 items)

Provider Chain

Available		Selected	
palapa_postgresql		default	
		⇒	⇐
		↑	↓

Save **Cancel**

10. Arahkan Pada Provider Chain Pilih palapa_postgresql, lalu tekan panah yang arah ke kanan atau selected.

HTTP method for testing
GET

URL path for testing

Find chain

Responsible chain

Authentication Providers

- Add new
- Remove selected

Name	Type
default	Basic username/password authentication
palapa_postgresql	JDBC database authentication

<< < 1 > >> Results 1 to 1 (out of 1 items)

Provider Chain

Available		Selected	
palapa_postgresql		default	
		⇒	⇐
		↑	↓

Save **Cancel**

11. Hasilnya akan Tampak seperti dibawah ini. Lalu tekan Save.

Filter chain testing

HTTP method for testing
GET

URL path for testing

Find chain

Responsible chain

Authentication Providers

Add new
Remove selected

Name	Type
default	Basic username/password authentication
palapa_postgresql	JDBC database authentication

<< << 1 >> >> Results 1 to 1 (out of 1 items)

Provider Chain

Available	Selected
	default palapa_postgresql

Save **Cancel**

12. Setting Security

1. Pada bagian active role service = palapa_postgresql
2. Pilih Weak PBE lalu klik Save

GeoServer

Security Settings

Configure security settings

Active role service
palapa_postgresql

Encryption

Encrypt web admin URL parameters

Password encryption
Weak PBE

No strong cryptography available, installation of the unrestricted policy jar files is recommended

About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WMTS
- WCS
- WFS
- WMS

Settings

- Global
- Image Processing

Save **Cancel**

12. Tampilan geoserver login sebagai palapa.

The screenshot shows the GeoServer 'Welcome' page at localhost:8080/geoserver/web/?1. The top right corner indicates 'Logged in as palapa.' A 'Logout' button is also present. The main content area displays service capabilities: WCS (1.0.0, 1.1.0, 1.1.1, 1.1, 2.0.1), WFS (1.0.0, 1.1.0, 2.0.0), WMS (1.1.1, 1.3.0), and TMS (1.0.0). On the left, there's a sidebar with links for About & Status, Data, Services, Settings, Tile Caching, and Security. The central part of the page shows 19 Layers, 9 Stores, and 7 Workspaces, each with an 'Add' button. There are also several warning messages about master and administrator passwords and cryptography.

12. Mengatur Attribute file supaya bisa di update pada file layer.properties dan services.properties

The screenshot shows a Windows File Explorer window with the path: Local Disk (C:) \ Program Files \ Apache Software Foundation \ Tomcat 7.0 \ webapps \ geoserver \ data \ security. The 'layers.properties' file is selected in the list view, highlighted in grey. The details pane on the left shows the file is a 'PROPERTIES File' located in 'All in C:\Program Files\Apache Software Foundation'. It has a size of 874 bytes and is 8.00 KB on disk. The 'Attributes' section shows options for 'Read-only' and 'Hidden'.

Name	Date modified	Type	Size	Tags
auth	12/21/2016 11:5...	File Folder		
filter	12/21/2016 11:3...	File Folder		
masterpw	12/21/2016 11:3...	File Folder		
pwpolicy	12/21/2016 11:3...	File Folder		
role	12/21/2016 11:4...	File Folder		
usergroup	12/21/2016 11:4...	File Folder		
config.xml	12/21/2016 11:5...	XML Document	3 KB	
geoserver.jceks	12/21/2016 11:3...	JCEKS File	1 KB	
layers.properties	11/24/2016 8:06...	PROPERTIES File	1 KB	
masterpw.digest	12/21/2016 11:3...	DIGEST File	1 KB	
masterpw.xml	11/24/2016 8:06...	XML Document	1 KB	
rest.properties	11/24/2016 8:06...	PROPERTIES File	1 KB	
services.properties	11/24/2016 8:06...	PROPERTIES File	1 KB	
version.properties	12/21/2016 11:3...	PROPERTIES File	1 KB	

13. Membuat New Workspace

1. Isikan Name = ADMIN, Namespace URI = ADMIN
2. Ceklist Default Workspace lalu Klik Tombol Save

New Workspace

Configure a new workspace

Name:

Namespace URI:

The namespace uri associated with this workspace

Default Workspace

Submit **Cancel**

14. Pilih Store, lalu klik Add new Store

Stores

Manage the stores providing data to GeoServer

Add new Store **Remove selected Stores**

Data Type	Workspace	Store Name	Type
raster	nurc	arcGridSample	ArcGrid
raster	nurc	img_sample2	WorldImage
raster	nurc	mosaic	ImageMosaic
vector	tiger	nyc	Directory of spatial files (shapefiles)
vector	sf	sf	Directory of spatial files (shapefiles)
raster	sf	sfdem	GeoTIFF
vector	topp	states_shapefile	Shapefile
vector	topp	taz_shapes	Directory of spatial files (shapefiles)
raster	nurc	worldImageSample	WorldImage

15. Membawa New Data Source Pilih PostGis

16. Mengatur Data Source PostGIS

1. Isi Basic Store Info = ADMIN
2. Data Sorce Name = ADMIN, Descriptian = ADMIN
3. Dbtype = postgis
4. Host = localhost
5. Port = 5432
6. Schema = publik
7. User = palapa
8. Password = palapa
9. Database = ADMIN
10. Lalu Klik Save untuk menyimpan

Logged in as palapa

GeoServer

New Vector Data Source

Add a new vector data source

PostGIS
PostGIS Database

Basic Store Info

Workspace *
ADMIN

Data Source Name *
ADMIN

Description
ADMIN

Enabled

Connection Parameters

dbtype *
postgis

host *
localhost

port *
5432

database
ADMIN

schema
public

user *
palapa

passwd

Namespace *
ADMIN

Layer Preview
Workspaces
Stores
Layers
Layer Groups
Styles

WMTS
WCS
WFS
WMS

Global
Image Processing
Raster Access

Tile Layers
Caching Defaults
Gridsets
Disk Quota
BlobStores

Settings
Authentication
Passwords
Users, Groups, Roles

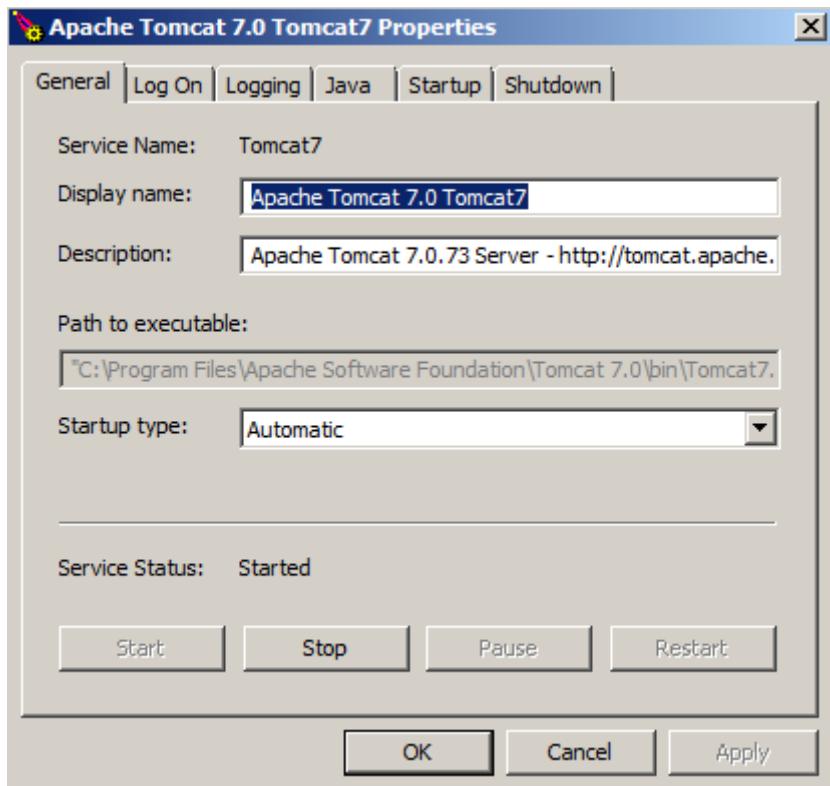
17. Coba tes rest web services, buka geoserver rest URL pada google chrome atau Firefox ketikan <http://192.168.100.13:8080/geoserver/rest> hasilnya seperti dibawah ini :



Geoserver Configuration API

- [workspaces](#)
- [namespaces](#)
- [styles](#)
- [layers](#)
- [layergroups](#)
- [reload](#)
- [reset](#)
- [about/manifest](#)
- [about/version](#)
- [about/status](#)
- [settings](#)
- [settings/contact](#)
- [services/wms/settings](#)
- [services/wfs/settings](#)
- [services/wcs/settings](#)
- [templates](#)
- [resource](#)

18.Kemudian Restart Tomcat Service. Dengan tekan Stop lalu Start.



Konfigurasi Database Postgresql

Edit konfigurasi postgresql C:\Program Files (x86)\PostgreSQL\9.5\data\postgresql.conf	<pre> #----- # CONNECTIONS AND AUTHENTICATION #----- # - Connection Settings - listen_addresses = '*' # what IP address(es) to listen on; # comma-separated list of addresses; # defaults to 'localhost'; use '*' for all # (change requires restart) port = 5432 # (change requires restart) max_connections = 1000 # (change requires restart) # Note: Increasing max_connections costs ~400 bytes of shared memory per # connection slot, plus lock space (see max_locks_per_transaction). </pre>
Edit konfigurasi postgresql C:\Program Files (x86)\PostgreSQL\9.5\data\pg_hba.conf	<pre> # TYPE DATABASE USER ADDRESS METHOD # "local" is for Unix domain socket connections only #local all all ident # IPv4 local connections: host all all 127.0.0.1/32 md5 host all all 192.168.100.0/24 md5 host all all 0.0.0.0/0 md5 # IPv6 local connections: host all all ::1/128 md5 # Allow replication connections from localhost, by a user with the # replication privilege. #local replication postgres peer #host replication postgres 127.0.0.1/32 ident #host replication postgres ::1/128 ident </pre>

Ini untuk setting jika ipnumber 192.168.100.13 seperti dibawah ini

```
host  all      all      192.168.100.0/24      md5
```

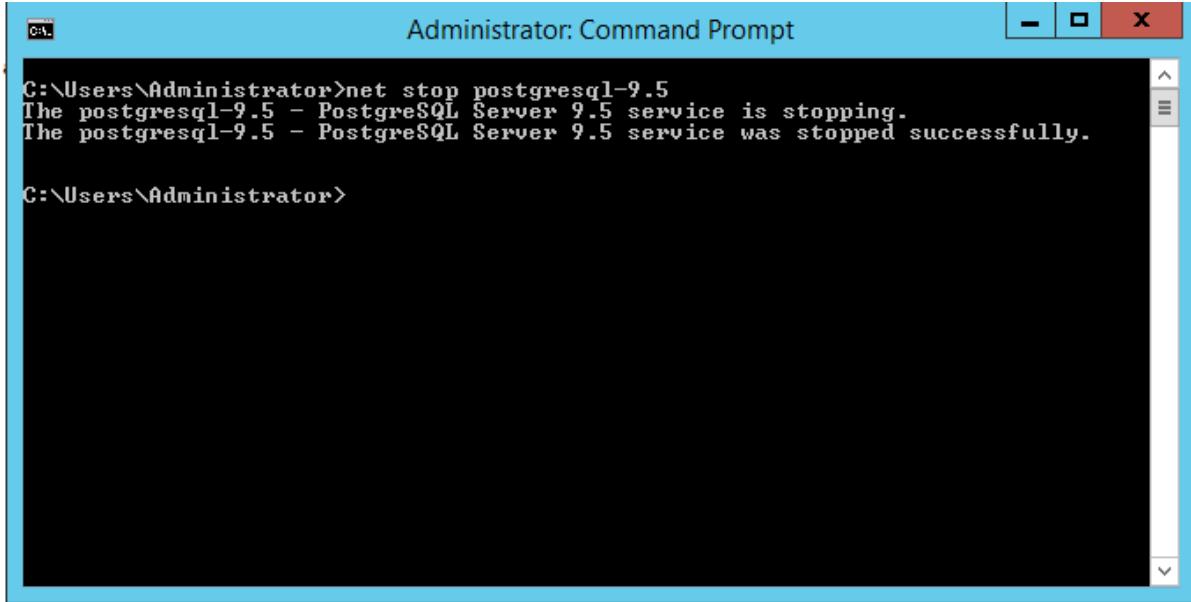
Ini untuk setting jika ipnumber 192.168.16.13 seperti dibawah ini

```
host  all      all      192.168.16.0/24      md5
```

Sesuaikan pg_hba.conf sesuai dengan ipnumber komputer masing-masing.

Restart Server postgresql95

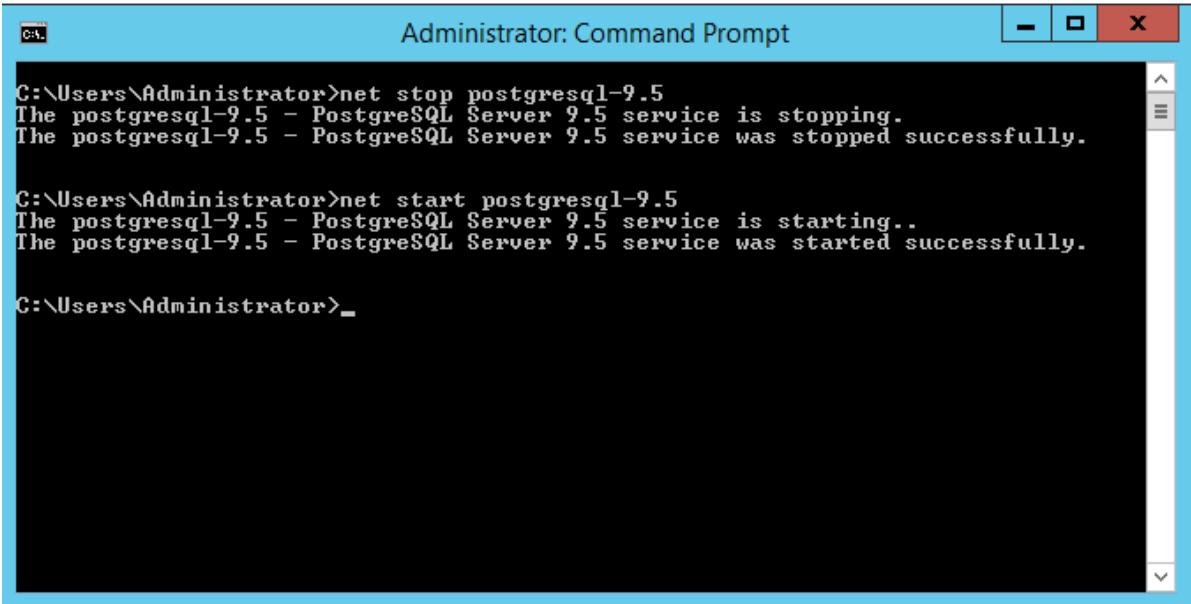
Stop service postgresql-9.5



```
Administrator: Command Prompt
C:\Users\Administrator>net stop postgresql-9.5
The postgresql-9.5 - PostgreSQL Server 9.5 service is stopping.
The postgresql-9.5 - PostgreSQL Server 9.5 service was stopped successfully.

C:\Users\Administrator>
```

Start service postgresql-9.5

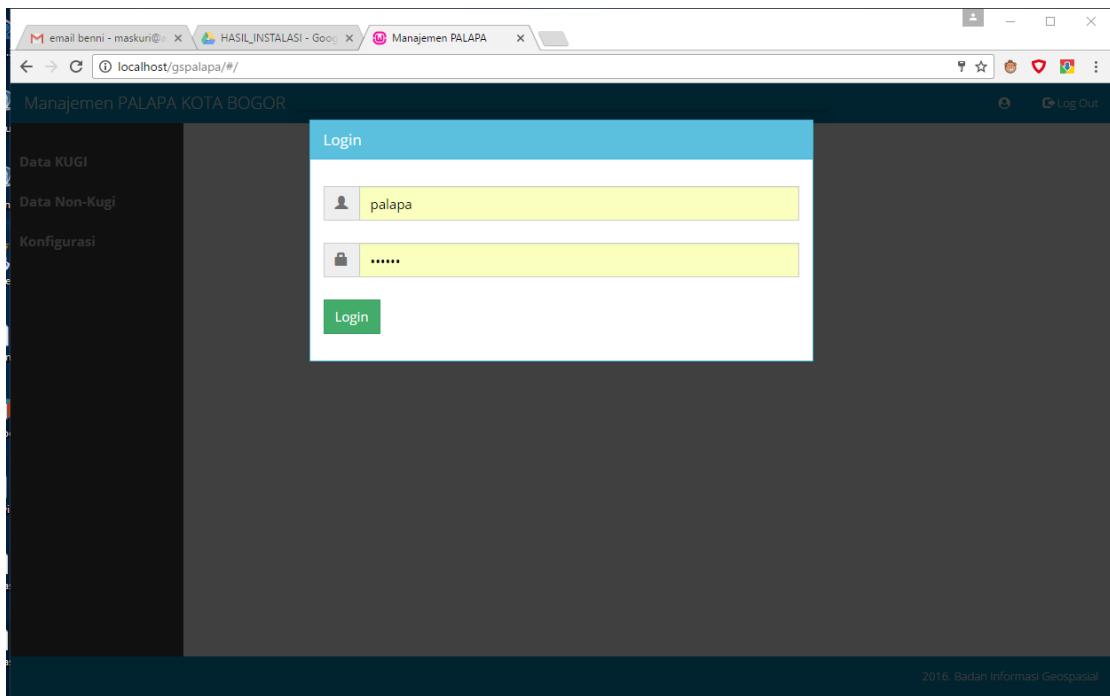


```
Administrator: Command Prompt
C:\Users\Administrator>net stop postgresql-9.5
The postgresql-9.5 - PostgreSQL Server 9.5 service is stopping.
The postgresql-9.5 - PostgreSQL Server 9.5 service was stopped successfully.

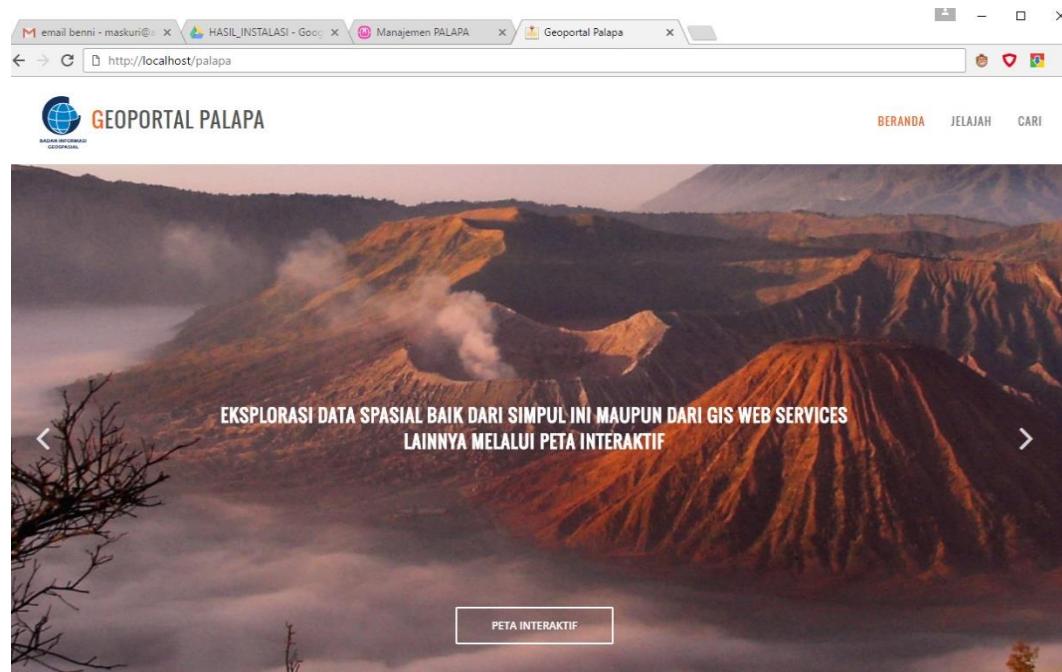
C:\Users\Administrator>net start postgresql-9.5
The postgresql-9.5 - PostgreSQL Server 9.5 service is starting..
The postgresql-9.5 - PostgreSQL Server 9.5 service was started successfully.

C:\Users\Administrator>
```

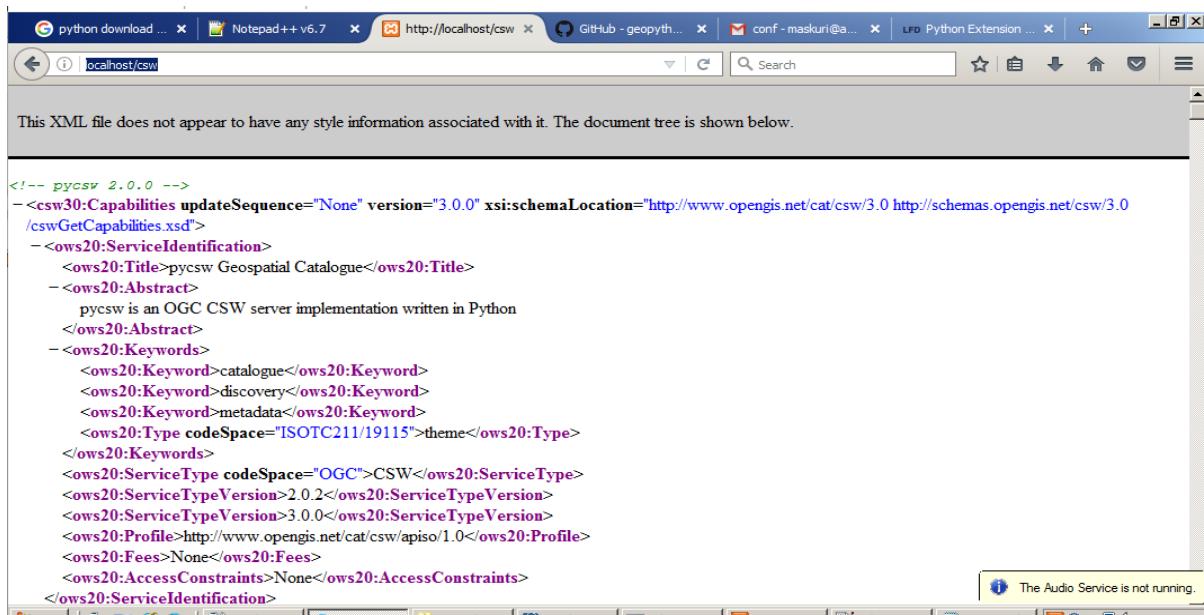
Tes Aplikasi ketikan di browser <http://localhost/gspalapa> maka hasilnya seperti dibawah ini :



Tes Aplikasi ketikan di browser <http://localhost/palapa> maka hasilnya seperti dibawah ini :



Tes di browser ketikan <http://localhost/csw> kalau muncul layar browser seperti di bawah ini berarti berhasil install pycsw nya



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<!-- pycsv 2.0.0 -->
<csw30:Capabilities updateSequence="None" version="3.0.0" xsi:schemaLocation="http://www.opengis.net/cat/csw/3.0 http://schemas.opengis.net/csw/3.0
/csvGetCapabilities.xsd">
  <ows20:ServiceIdentification>
    <ows20:Title>pycsv Geospatial Catalogue</ows20:Title>
    <ows20:Abstract>
      pycsv is an OGC CSW server implementation written in Python
    </ows20:Abstract>
    <ows20:Keywords>
      <ows20:Keyword>catalogue</ows20:Keyword>
      <ows20:Keyword>discovery</ows20:Keyword>
      <ows20:Keyword>metadata</ows20:Keyword>
      <ows20:Type codeSpace="ISOTC211/19115">theme</ows20:Type>
    </ows20:Keywords>
    <ows20:ServiceType codeSpace="OGC">CSW</ows20:ServiceType>
    <ows20:ServiceTypeVersion>2.0.2</ows20:ServiceTypeVersion>
    <ows20:ServiceTypeVersion>3.0.0</ows20:ServiceTypeVersion>
    <ows20:Profile>http://www.opengis.net/cat/csw/apiso/1.0</ows20:Profile>
    <ows20:Fees>None</ows20:Fees>
    <ows20:AccessConstraints>None</ows20:AccessConstraints>
  </ows20:ServiceIdentification>
```