

SETTING MODEM UNTUK APLIKASI AMR TERPUSAT



The background of the slide features a low-angle, black and white photograph of four power line workers silhouetted against a bright, cloudy sky. They are positioned in front of a large, complex metal lattice tower. The workers are wearing hard hats and safety gear, and their bodies are tensed as they work on the structure. A thick, teal diagonal line cuts across the right side of the image, starting from the top right and extending towards the bottom left. At the bottom of this line, there is a small graphic element consisting of three parallel, slanted bars in teal, dark blue, and yellow.

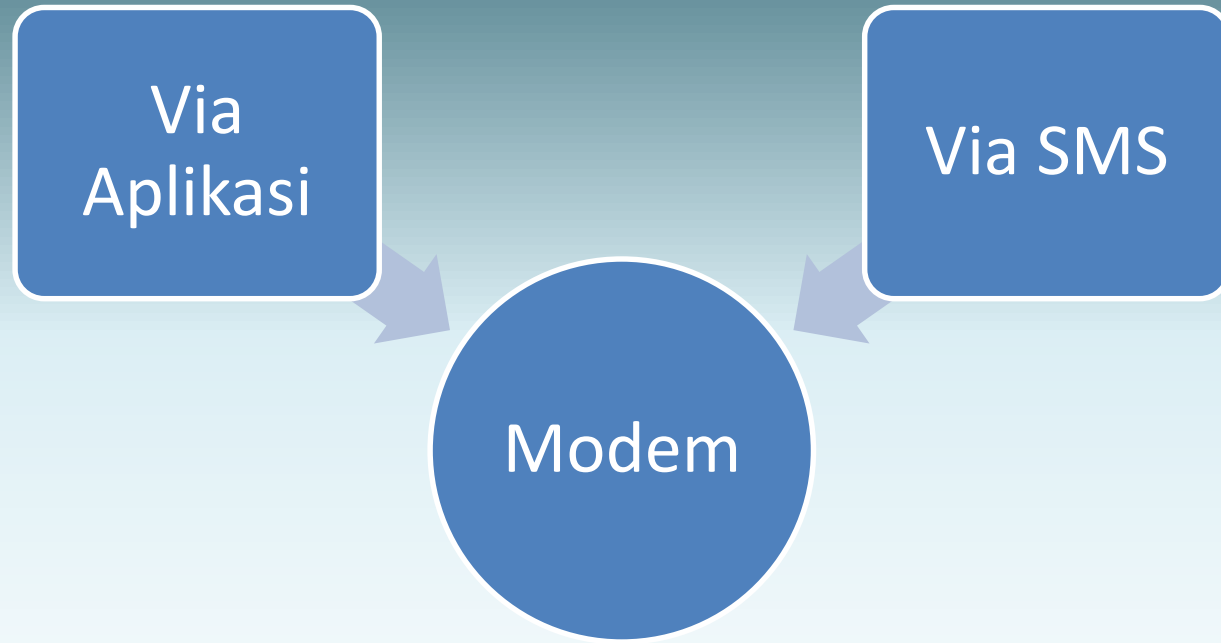
02| APN Koorporat

SETTING MODEM AMR TERPUSAT

IP STATIC



SETTINGAN MODEM



APN IP STATIC AMR TERPUSAT

APN : M2MPLNAMR
USER :
PASSWORD :
PORT : 1000

JENIS-JENIS MODEM

a. EDM1 EWM100



b. MLIS MLB-S-65-RJ



c. MLIS MLB-S-65-DC



d. MLIS MLB-3001 G



e. Sierra GL6100 DTMS



f. SIERRA DSLE (DeTech)





PT PLN (PERSERO)

PT. Indonesia Comnets Plus



MODEM EDM1 EWM100



EDMI EWM100

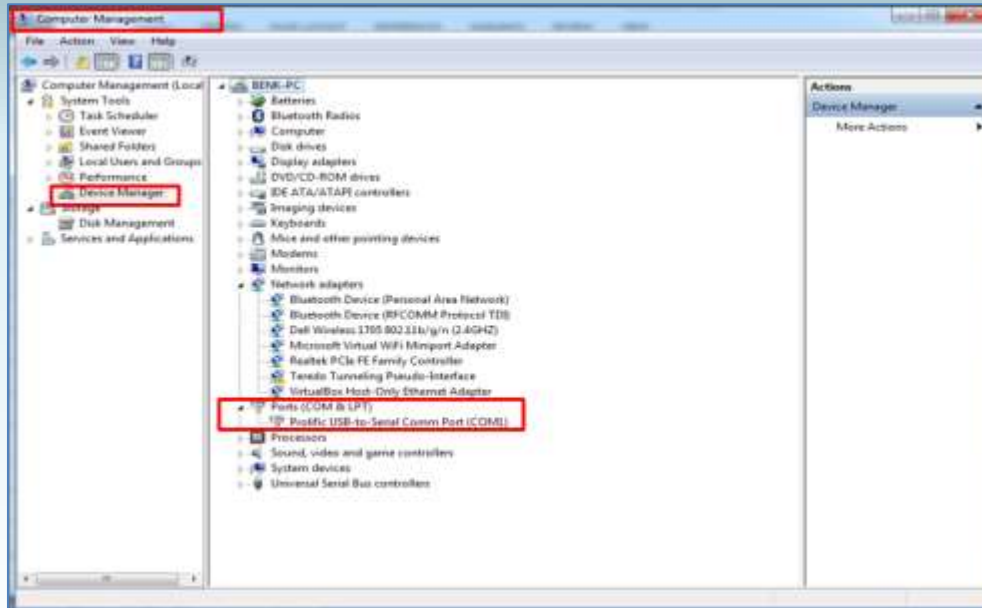
Setting modem EDM1 EWM100 menggunakan Aplikasi **SMEWM100 Configurtion tool_v1.1**
Dengan menjalankan script sebagai berikut:



```
AT+MODE=2,0,0,0,IMDEIMDE
AT+setAPN="M2MPLNAMR",IMDEIMDE
AT+setUSER="",IMDEIMDE
AT+setPWD="",IMDEIMDE
AT+WRST=1,"024:00",IMDEIMDE
AT+SAVE,IMDEIMDE
```


EDMI EWM100

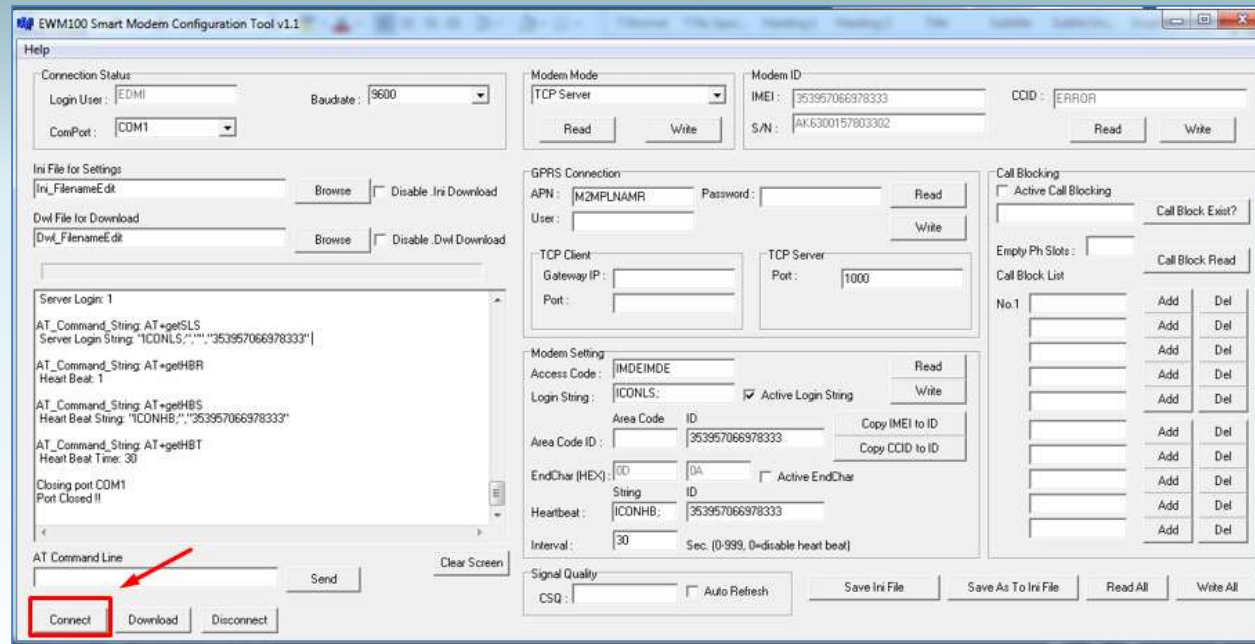
1. Cek port yang terbaca di laptop melalui device manager
Contoh Gambar : port COM1



- [illegible]



3. Klik "Connect"





4. Pilih Modem Mode = "TCP Server"

The screenshot shows the 'EWM100 Smart Modem Configuration Tool v1.1' window. The 'Modem Mode' dropdown menu is highlighted with a red box and a red arrow pointing to it. The dropdown is currently set to 'TCP Server'. Other visible fields include 'Connection Status', 'Login User', 'Baudrate', 'ComPort', 'Modem ID', 'IMEI', 'S/N', 'CCID', 'GPRS Connection', 'TCP Client', 'TCP Server', 'Modem Setting', 'Access Code', 'Login String', 'Area Code', 'ID', 'EndChar', 'Heartbeat', 'Interval', 'Signal Quality', 'CSQ', 'Call Blocking', 'Empty Ph Slots', 'Call Block List', and 'AT Command Line'.



5. Isi Tab GPRS Connection

APN : M2MPLNAMR

User :

Pwd :

EWM100 Smart Modem Configuration Tool v1.1

Help

Connection Status
Login User: EDM1 Baudrate: 9600
ComPort: COM1

Modem Mode
TCP Server
Read Write

Modem ID
IMEI: 353957066978333
S/N: JAK8200157803302
Read Write

INI File for Settings
Ini_Filename: Edit Browse Disable Ini Download
Dial File for Download
Dial_Filename: Edit Browse Disable Dial Download

GPRS Connection
APN: M2MPLNAMR Password: Read Write
User: Write

TCP Server
Gateway IP: Port: 1000

Modem Setting
Access Code: IMDEIMDE Read
Login String: ICONSLS Active Login String Write
Area Code: 353957066978333 Copy IMEI to ID
Area ID: 353957066978333 Copy COD to ID
EndChar (HEX): 0D 0A Active EndChar
Heartbeat: ICONSLS
Interval: 30 Sec. (0-999, Deductible heart beat)

Call Blocking
Active Call Blocking
Call Block List
No. 1 Add Del
Add Del
Add Del
Add Del
Add Del
Add Del
Add Del
Add Del

AT Command Line
Send Clear Screen
Connect Download Disconnect

Signal Quality
CSQ: Auto Refresh
Save Ini File Save As To Ini File Read All Write All



6. Isi Tab TCP Server = "1000"

EWM100 Smart Modem Configuration Tool v1.1

Help

Connection Status:
Login User: EDM1 Baudrate: 9600
ComPort: COM1

Modem Mode: TCP Server
Read Write

Modem ID
IMEI: 353957066978333
S/N: AK6300157803302
Read Write

CCID: ERROR
Read Write

Ini File for Settings
Ini_FilenameEdit Browse Disable Ini Download
Dwl File for Download
Dwl_FilenameEdit Browse Disable Dwl Download

Server Login: 1
AT_Command_String: AT+getSL
Server Login String: "ICONSLS:","353957066978333"
AT_Command_String: AT+getHBR
Heart Beat: 1
AT_Command_String: AT+getHBS
Heart Beat String: "ICONHB:","353957066978333"
AT_Command_String: AT+getHBT
Heart Beat Time: 30
Closing port COM1
Port Closed !!

AT Command Line
Send Clear Screen
Connect Download Disconnect

GPSS Connection
APN: M2MPLNAMR Password Read
User: Write

TCP Client
Gateway IP: Port: TCP Server Port: 1000

Modem Setting
Access Code: IMDEIMDE Read
Login String: ICONLS: Active Login String Write
Area Code ID: 353957066978333 Copy IMEI to ID Copy CCID to ID
EndChar (HEX): 0D 0A Active EndChar
Heartbeat: 353957066978333
Interval: 30 Sec. (0-999, 0=disable heart beat)

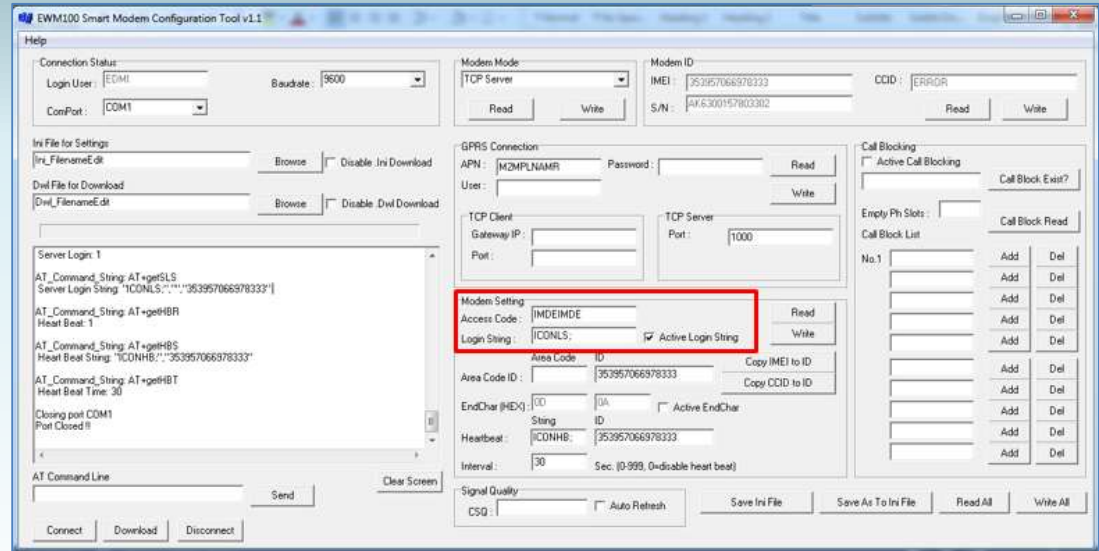
Signal Quality
CSQ: Auto Refresh Save Ini File Save As To Ini File Read All Write All

Call Blocking
Active Call Blocking Call Block Exist? Empty Ph Slots: Call Block Read
Call Block List
No.1 Add Del
Add Del
Add Del
Add Del
Add Del
Add Del
Add Del
Add Del



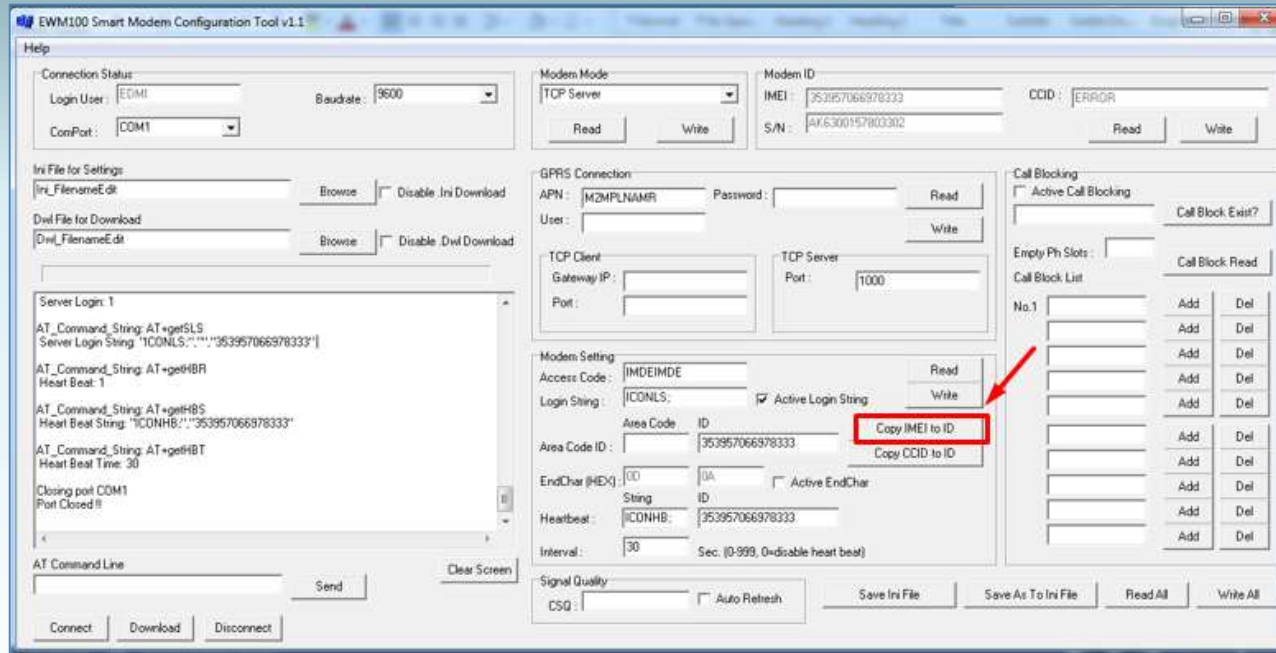
7. Modem Setting

- Input Access Code "IMDEIMDE"
- Input Login String "ICONLS;"
- Checklist Active Login String





8. Klik Button “Copy Imei To ID” untuk meng-copy imei

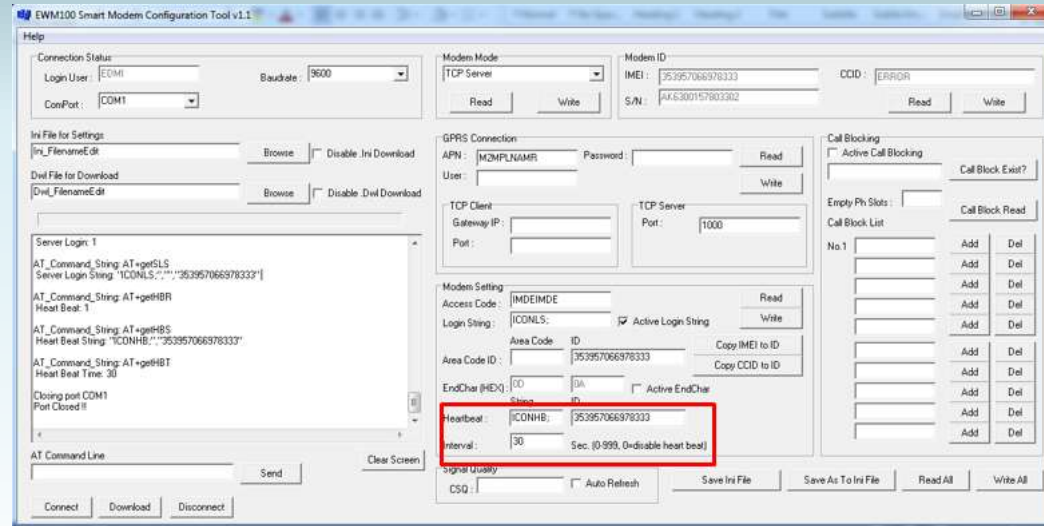




9. Input Heartbeat dan Interval

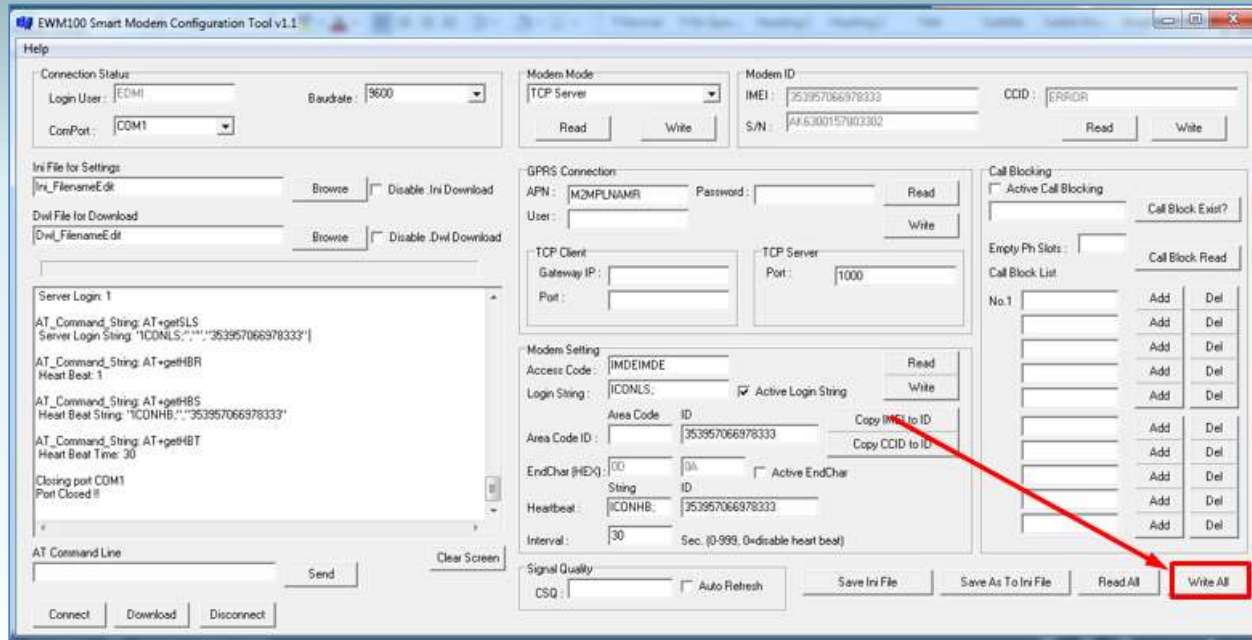
Heartbeat : "ICONHB;"

Interval : "30"





10. Klik Button “Write All” untuk memulai settingan kepada modem





11. Proses setting modem akan berjalan pada frame.

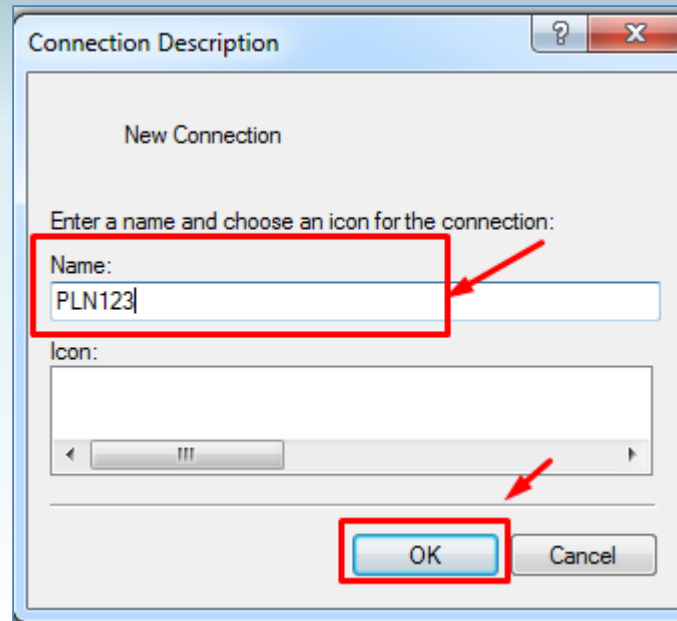
Setingan selesai setelah muncul keterangan “New Setting Update”

```
setHBR OK  
AT_Command_String: AT+setHBS="ICONHB;","353957066978333"  
setHBS OK  
AT_Command_String: AT+setHBT=30  
setHBT OK  
AT_Command_String: AT+setCBLK=0  
setCBLK OK  
AT_Command_String: AT+setPHNUMS  
AT_Command_String: AT+SAVE  
New Settings Updated
```

EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi **Hyperterminal** dengan langkah sebagai berikut

1. Buka Aplikasi Hyperterminal
2. Isi Textbox Name, Misal “PLN123”

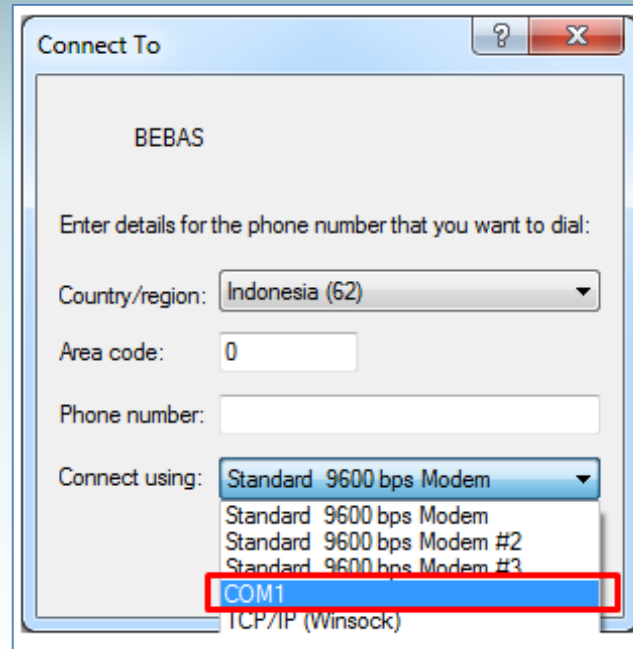


EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi **Hyperterminal** dengan langkah sebagai berikut



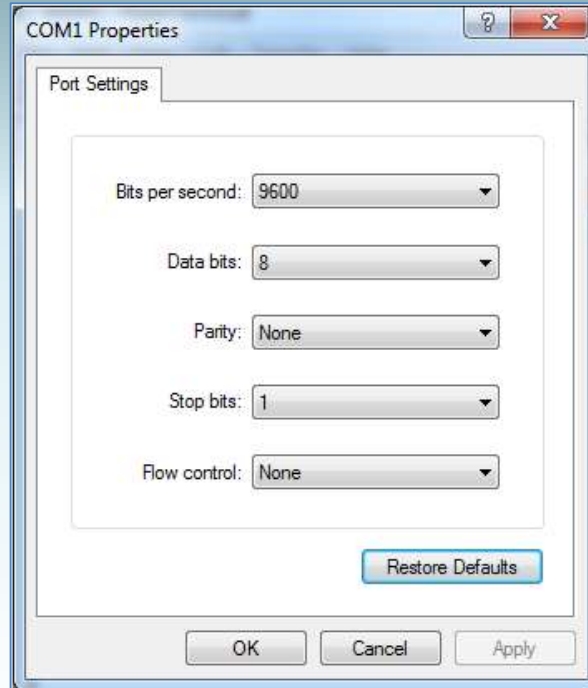
3. Pilih Connect Using : “COM 1” (Sesuai port pada device management)



EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi *Hyperterminal* dengan langkah sebagai berikut

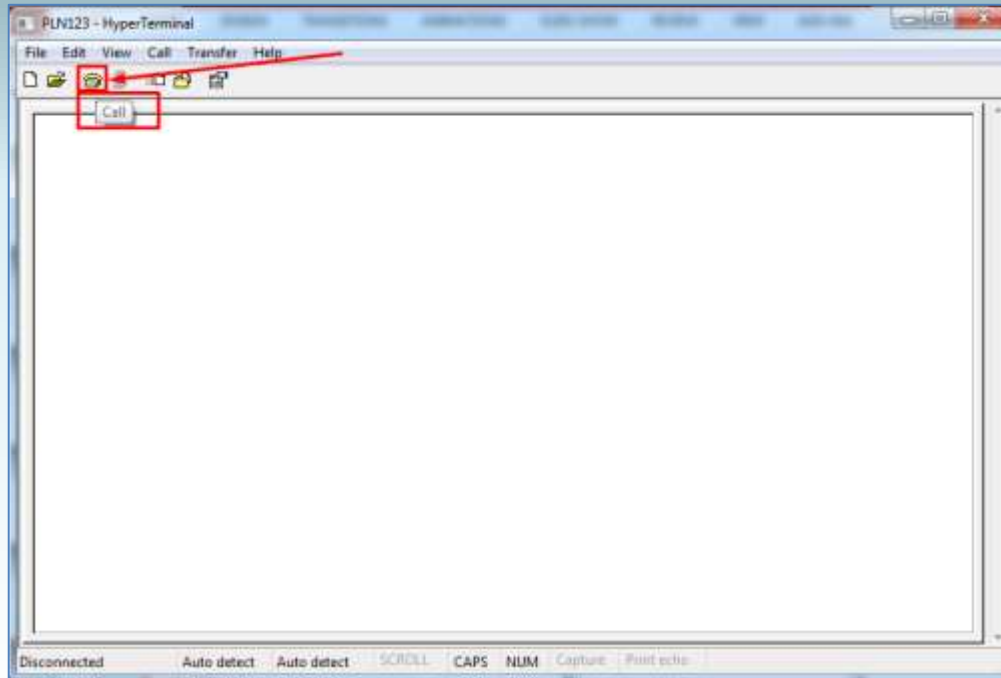
4. Setting Port Setting



EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi *Hyperterminal* dengan langkah sebagai berikut

5. Setting Port Setting



EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi *Hyperterminal* dengan langkah sebagai berikut



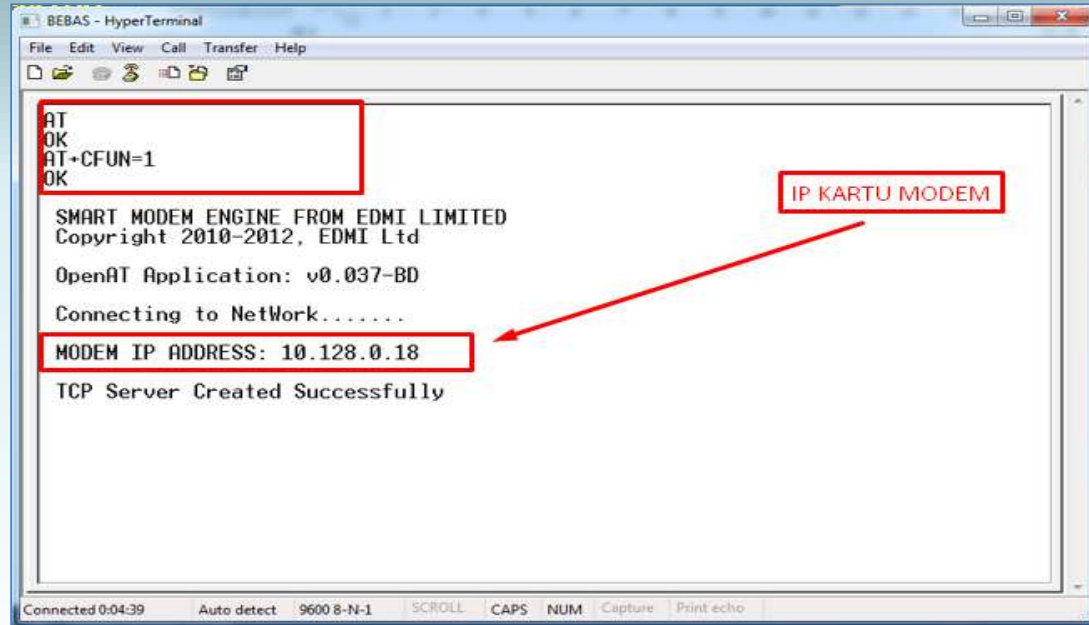
6. Tulis command pada layar
 - Ketik "AT"
 - Tekan "Enter", akan tampil "OK"
 - Ketik "AT+CFUN=1" (Untuk mereset Modem)
 - Tekan "Enter"

EDMI EWM100

Pengecekan IP Kartu APN dengan menggunakan aplikasi *Hyperterminal* dengan langkah sebagai berikut

7. Tampil IP yang didapat oleh Modem

10.128.0.18



The screenshot shows a HyperTerminal window titled 'BEBAS - HyperTerminal'. The window contains the following text: 'AT', 'OK', 'AT+CFUN=1', 'OK', 'SMART MODEM ENGINE FROM EDM1 LIMITED', 'Copyright 2010-2012, EDM1 Ltd', 'OpenAT Application: v0.037-BD', 'Connecting to NetWork.....', 'MODEM IP ADDRESS: 10.128.0.18', and 'TCP Server Created Successfully'. A red box highlights the 'MODEM IP ADDRESS: 10.128.0.18' line, and a red arrow points to it from a box labeled 'IP KARTU MODEM'. Another red box highlights the 'AT' and 'AT+CFUN=1' commands. The status bar at the bottom shows 'Connected 0:04:39', 'Auto detect', '9600 8-N-1', 'SCROLL', 'CAPS', 'NUM', 'Capture', and 'Print echo'.

```
AT
OK
AT+CFUN=1
OK
SMART MODEM ENGINE FROM EDM1 LIMITED
Copyright 2010-2012, EDM1 Ltd
OpenAT Application: v0.037-BD
Connecting to NetWork.....
MODEM IP ADDRESS: 10.128.0.18
TCP Server Created Successfully
```





PT PLN (PERSERO)

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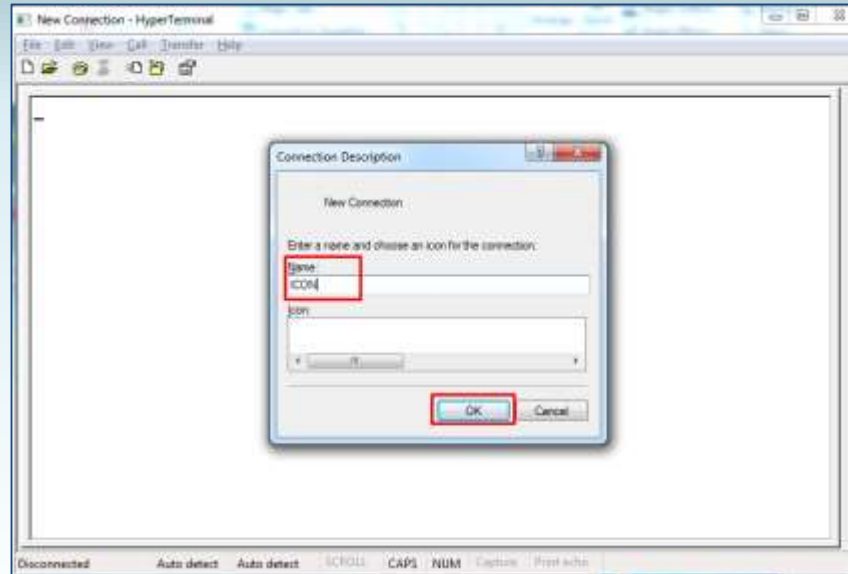


MODEM MLIS MLB-3001 G

MLIS MLB-3001 G

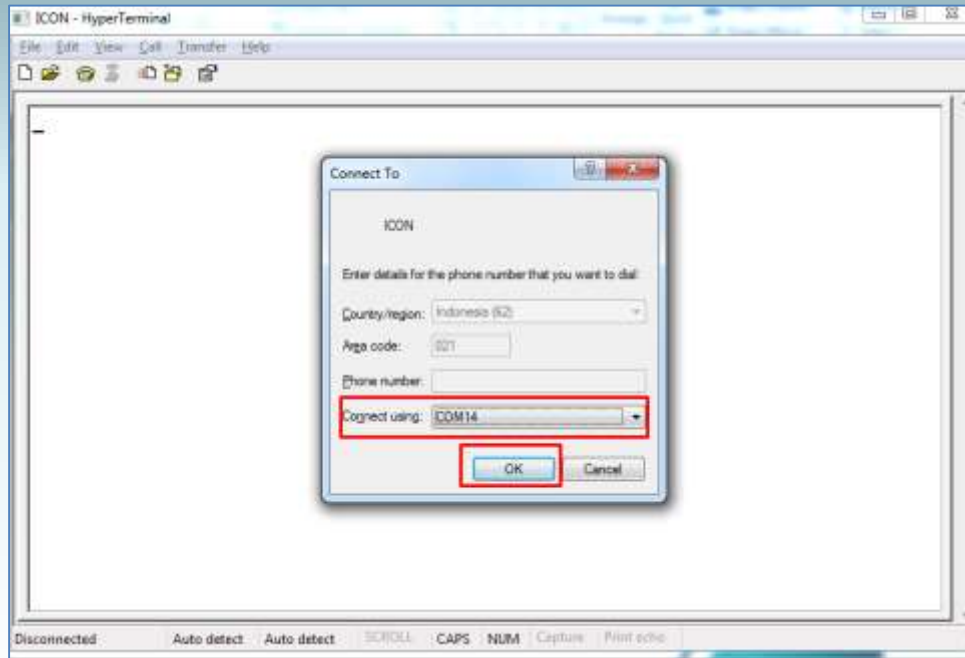
Setting modem MLIS MLB-3001 G menggunakan Aplikasi **Hyperterminal**

1. Buka Aplikasi **Hyperterminal**, Setting connection Description dengan nama sesuai keinginan, pilih OK



MLIS MLB-3001 G

2. Muncul tampilan sebagai berikut, pastikan Connect Using sudah sesuai
Pilih “OK”



MLIS MLB-3001 G

3. Setting Port

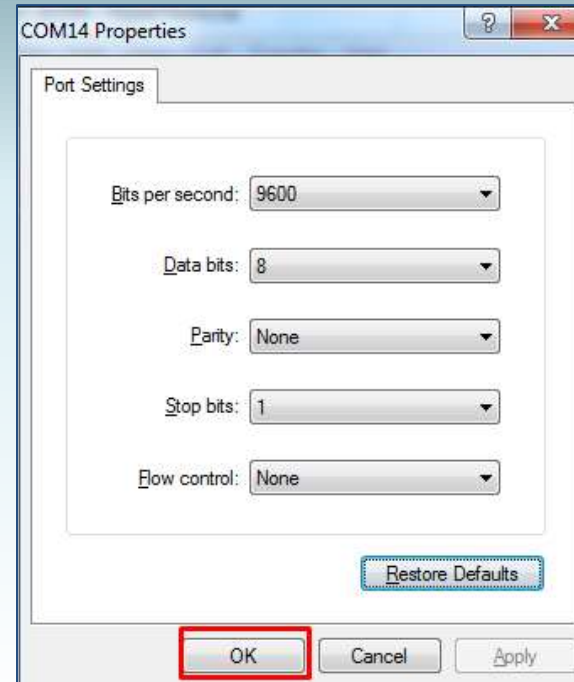
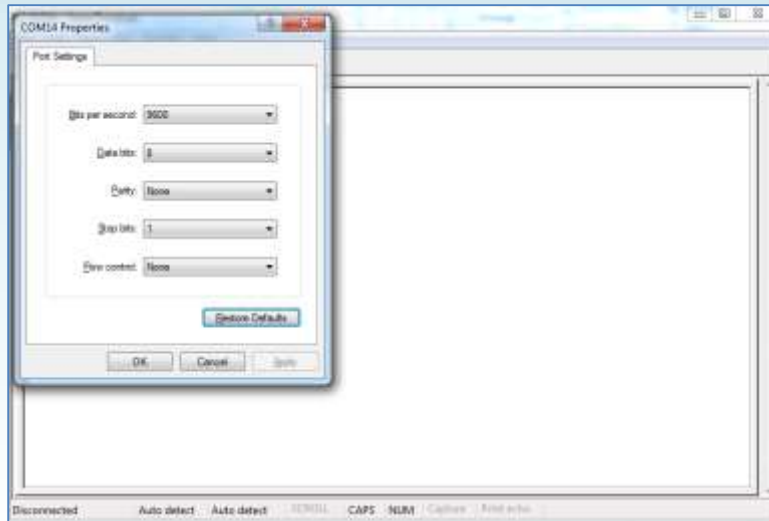
Bits Per second : 9600

Data Bits : 8

Parity : None

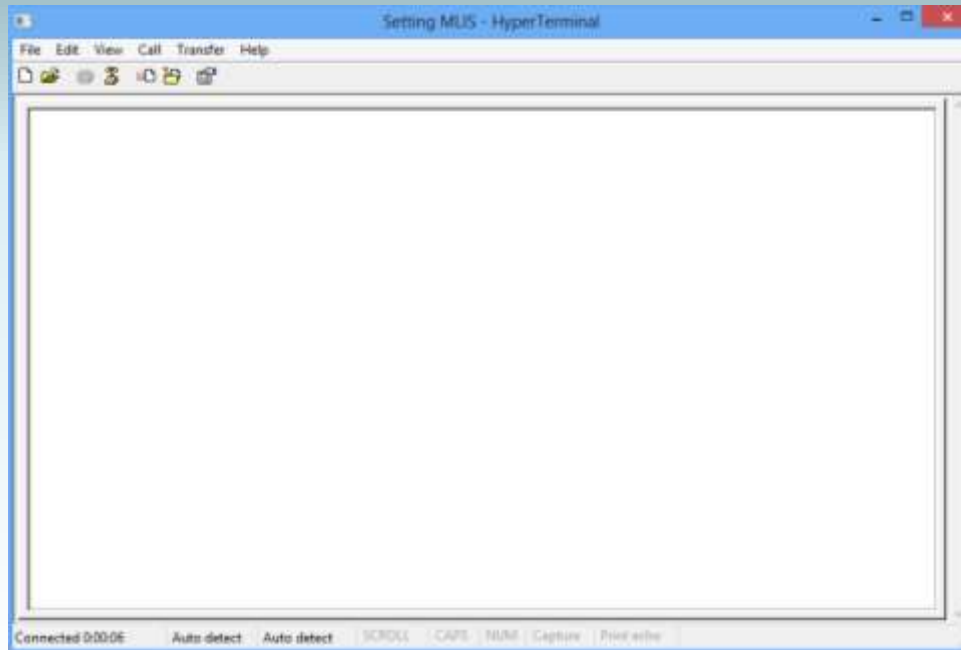
Stop Bits : 1

Flow Control : None



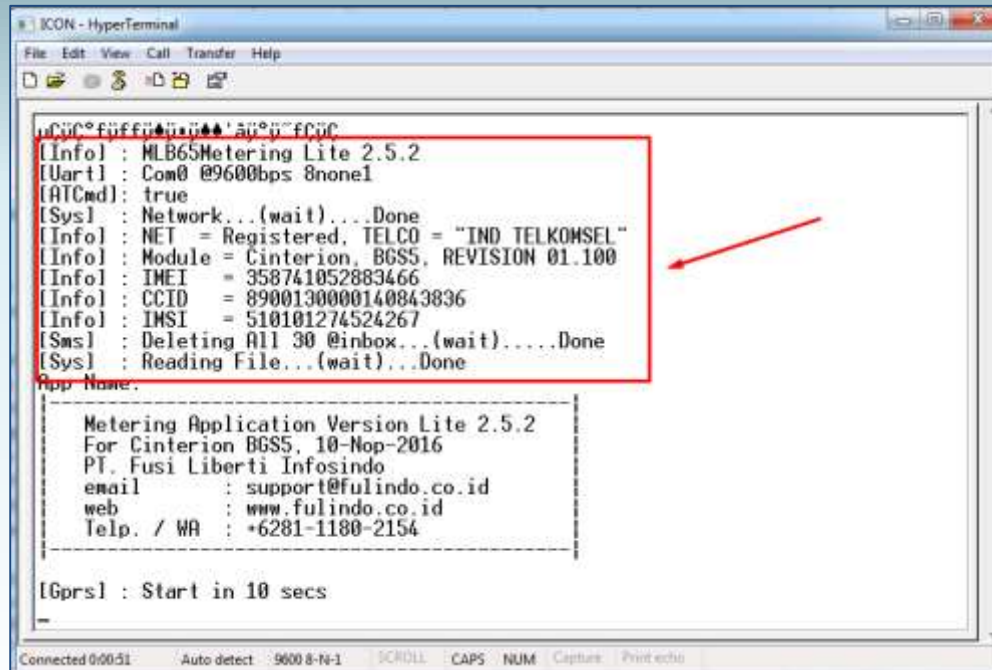
MLIS MLB-3001 G

4. Akan muncul tampilan sebagai berikut, kemudian restart modem MLIS dengan mencabut kabel power kemudian pasang kembali setelah beberapa detik.



MLIS MLB-3001 G

5. Aplikasi akan membaca identitas dari modem dan SIMCARD yang digunakan



```

[Info] : MLB65Metering Lite 2.5.2
[Uart] : Com0 @9600bps 8none1
[ATCmd]: true
[Sys]  : Network...(wait)...Done
[Info] : NET = Registered, TELCO = "IND TELKOMSEL"
[Info] : Module = Cinterion, BGS5, REVISION 01.100
[Info] : IMEI  = 358741852883466
[Info] : CCID  = 89001300000140843836
[Info] : IMSI  = 510101274524267
[Sm]   : Deleting All 30 @inbox...(wait)....Done
[Sys]  : Reading File...(wait)...Done
App Name:
-----
Metering Application Version Lite 2.5.2
For Cinterion BGS5, 10-Mop-2016
PT. Fusi Liberty Infosindo
email   : support@fulindo.co.id
web     : www.fulindo.co.id
Telp. / WA : +6281-1180-2154
-----
[Gprs] : Start in 10 secs

```

MLIS MLB-3001 G

6. Setting Modem dengan menjalankan Script Sebagai berikut
7. Jalankan Script secara bertahap, setiap satu script yang dijalankan klik enter

at+jagp="M2MPLNAMR", "", "", "", 0

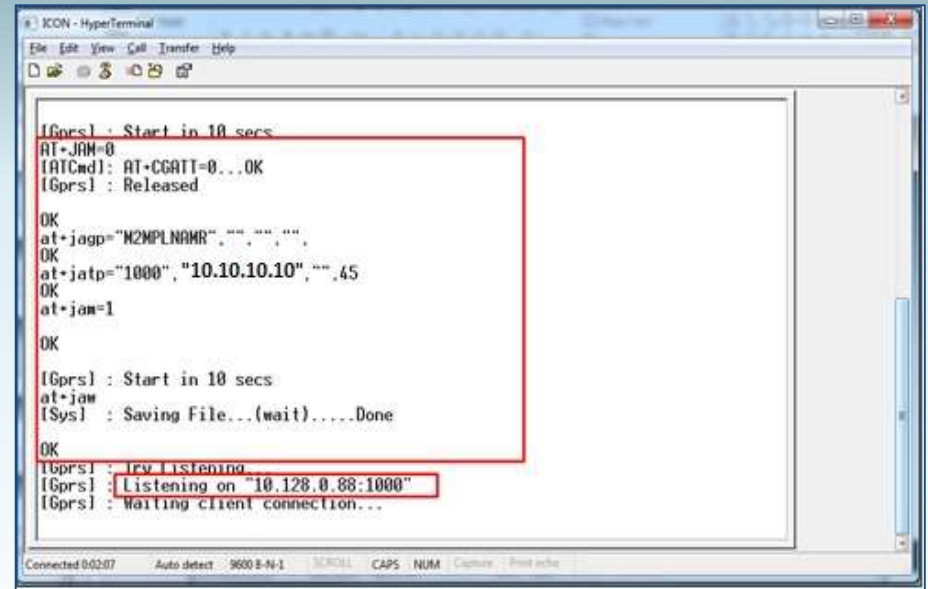
at+jatp="1000", "10.10.10.10", "", 45

at+jam=1

at+jaw

8. Jalankan Script secara bertahap, setiap satu script yang dijalankan klik enter

**NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll**



```
ICON - HyperTerminal
File Edit View Call Transfer Help
[Icons]
[Gprs]: Start in 10 secs
AT+JAM=0
[ATCmd]: AT+CGATT=0...OK
[Gprs]: Released

OK
at+jagp="M2MPLNAMR", "", "", "", 0
OK
at+jatp="1000", "10.10.10.10", "", 45
OK
at+jam=1
OK

[Gprs]: Start in 10 secs
at+jaw
[Sys]: Saving File...(wait)....Done
OK
[Gprs]: Irq Listening
[Gprs]: Listening on "10.128.0.88:1000"
[Gprs]: Waiting client connection...
```




PT PLN (PERSERO)

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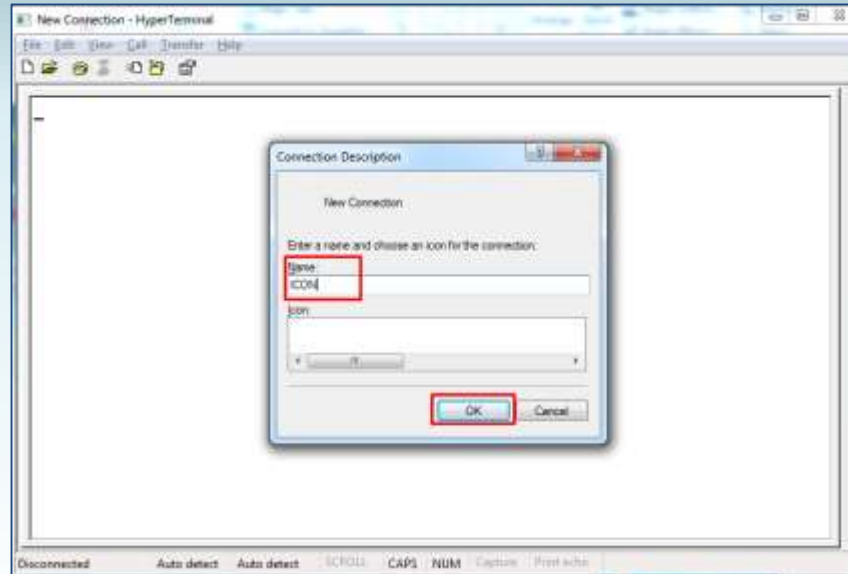


MODEM MLIS MLB-S-65-RJ

MLIS MLB-S-65-RJ

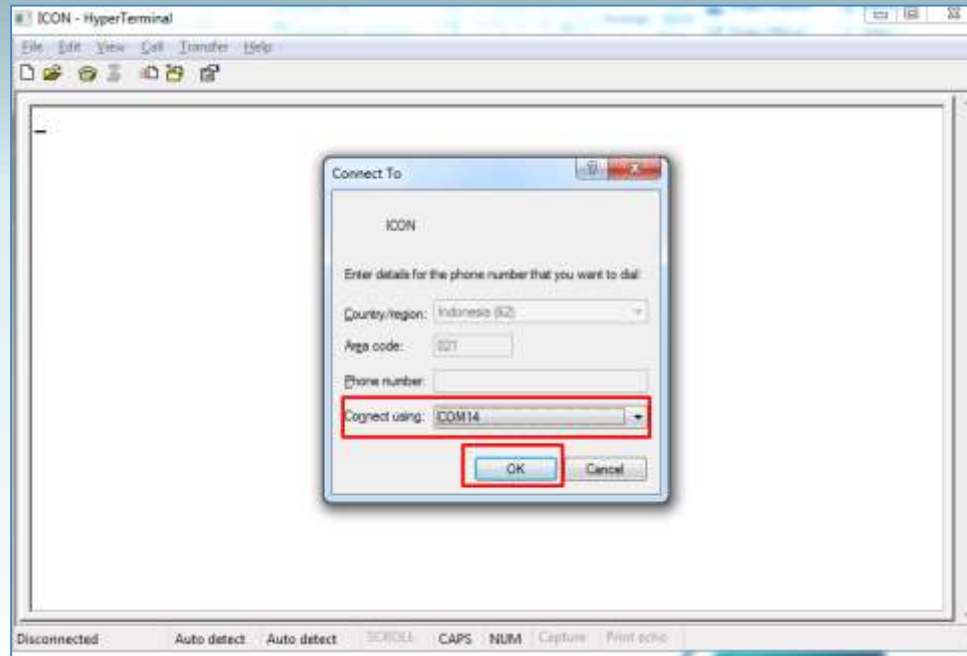
Setting modem MLIS MLB-3001 G menggunakan Aplikasi **Hyperterminal**

1. Buka Aplikasi **Hyperterminal**, Setting connection Description dengan nama sesuai keinginan, pilih OK



MLIS MLB-S-65-RJ

2. Muncul tampilan sebagai berikut, pastikan Connect Using sudah sesuai
Pilih “OK”



MLIS MLB-S-65-RJ

3. Setting Port

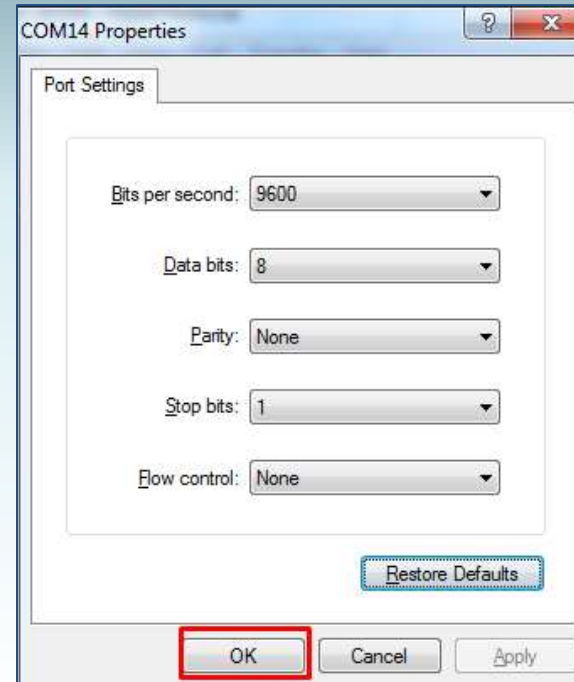
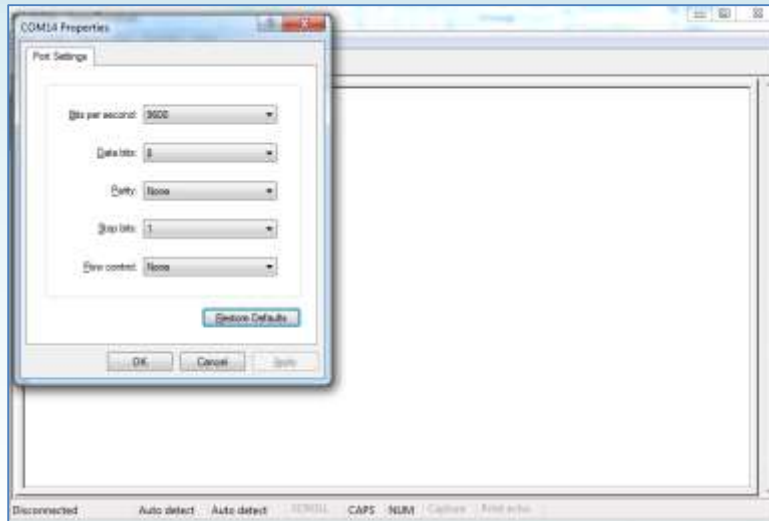
Bits Per second : 9600

Data Bits : 8

Parity : None

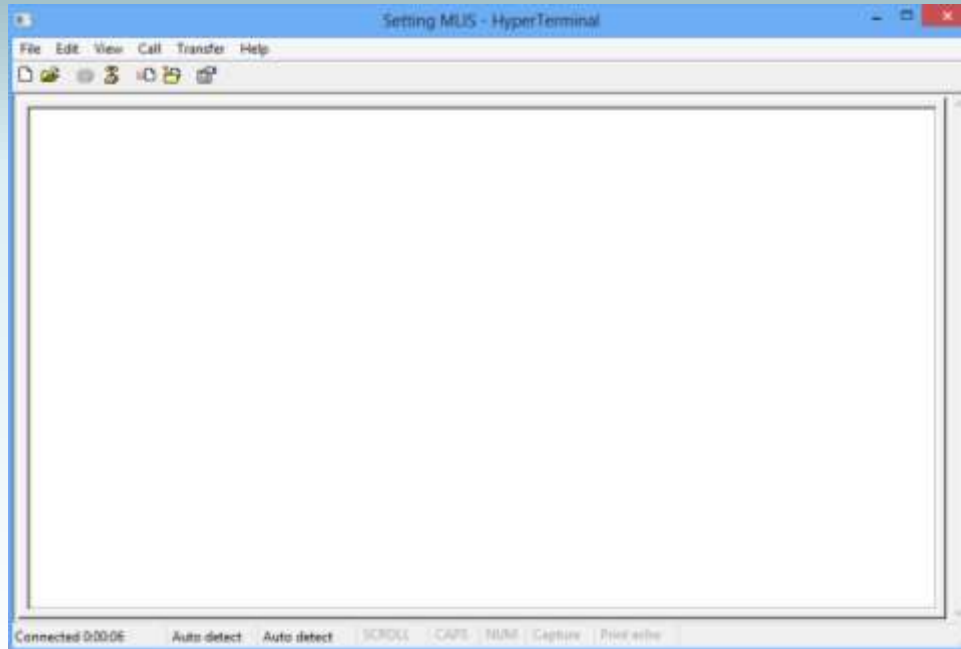
Stop Bits : 1

Flow Control : None



MLIS MLB-S-65-RJ

4. Akan muncul tampilan sebagai berikut, kemudian restart modem MLIS dengan mencabut kabel power kemudian pasang kembali setelah beberapa detik.



MLIS MLB-S-65-RJ

5. Aplikasi akan membaca identitas dari modem dan SIMCARD yang digunakan

A screenshot of a HyperTerminal window titled 'ICON - HyperTerminal'. The window displays a series of status messages from a modem. A red rectangular box highlights the following lines: [Info] : MLB65Metering Lite 2.5.2, [Uart] : Com0 @9600bps 8none1, [ATCmd]: true, [Sys] : Network...(wait)...Done, [Info] : NET = Registered, TELCO = "IND TELKOMSEL", [Info] : Module = Cinterion, BGS5, REVISION 01.100, [Info] : IMEI = 358741852883466, [Info] : CCID = 8900130000140843836, [Info] : IMSI = 510101274524267, [Sms] : Deleting All 30 @inbox...(wait)....Done, and [Sys] : Reading File...(wait)...Done. A red arrow points from the right towards the highlighted text. Below the highlighted text, there is a dashed box containing contact information for 'Metering Application Version Lite 2.5.2'. At the bottom of the window, it says '[Gprs] : Start in 10 secs'. The status bar at the very bottom shows 'Connected 0/00:31', 'Auto detect : 9600 8-N-1', and various control buttons like SCROLL, CAPS, NUM, Capture, and Print echo.

```

[Info] : MLB65Metering Lite 2.5.2
[Uart] : Com0 @9600bps 8none1
[ATCmd]: true
[Sys] : Network...(wait)...Done
[Info] : NET = Registered, TELCO = "IND TELKOMSEL"
[Info] : Module = Cinterion, BGS5, REVISION 01.100
[Info] : IMEI = 358741852883466
[Info] : CCID = 8900130000140843836
[Info] : IMSI = 510101274524267
[Sms] : Deleting All 30 @inbox...(wait)....Done
[Sys] : Reading File...(wait)...Done

App Name:
-----
Metering Application Version Lite 2.5.2
For Cinterion BGS5, 10-Mop-2016
PT. Fusi Liberty Infosindo
email : support@fulindo.co.id
web : www.fulindo.co.id
Telp. / WA : +6281-1180-2154
-----

[Gprs] : Start in 10 secs

```

MLIS MLB-S-65-RJ

- Setting Modem dengan menjalankan Script Sebagai berikut
- Jalankan Script secara bertahap, setiap satu script yang dijalankan klik enter

at+jagp="M2MPLNAMR", "", "", "", 0

at+jatp="1000", "10.10.10.10", "", 45

at+jam=1

at+jaw

- Jalankan Script secara bertahap, setiap satu script yang dijalankan klik enter

**NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll**

A screenshot of a HyperTerminal window titled "ICON - HyperTerminal". The window shows a series of AT commands and responses. A red box highlights the first set of commands: `at+jagp="M2MPLNAMR", "", "", "", 0`, `at+jatp="1000", "10.10.10.10", "", 45`, and `at+jam=1`. Below this, the responses are `OK`, `[Gprs] : Start in 10 secs`, `at+jaw`, `[ATCnd] : AT+CGATT=0...OK`, `[Gprs] : Released`, and `OK`. Another red box highlights the final command `at+jaw` and its response `[Gprs] : Listening`. A third red box highlights the response `[Gprs] : Listening on "10.128.0.88:1000"`. The status bar at the bottom shows "Connected 00207", "Auto detect", "9600 8-N-1", "SCROLL", "CAPS", "NUM", "Capture", and "Print echo".



PT PLN (PERSERO)

PT. Indonesia Comnets Plus



MODEM MLIS MLB-S-65-DC

MLIS MLB-S-65-DC

Setting modem MLIS MLB-S-65-DC menggunakan Aplikasi **Hyperterminal**
Dengan menjalankan script sebagai berikut:



```
at+jagp="M2MPLNAMR","","",0  
at+jatp="1000","10.10.10.10","",45  
at+jam=2  
at+jaw
```

NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll



PT PLN (PERSERO)

PT. Indonesia Comnets Plus



MODEM SIERRA GL6100 DTMS

Sierra GL6100 DTMS

Setting modem Sierra GL6100 DTMS menggunakan Aplikasi **Hyperterminal**
Dengan menjalankan script sebagai berikut:



```
at+dgpprs="M2MPLNAMR","","";+dgtcp=1,1,1000;+dgwrite
```



PT PLN (PERSERO)

PT. Indonesia Comnets Plus



MODEM SIERRA DSLE (DeTech)

SIERRA DSLE (DeTech)

Setting modem SIERRA DSLE (DeTech) menggunakan Aplikasi **Hyperterminal**
Dengan menjalankan script sebagai berikut:



```
at+dgpr="M2MPLNAMR","","";+dgtcp=1,1,1000;+dgwrite
```

VIA SMS

SMS script yang dikirimkan ke modem tidak dapat dilakukan secara keseluruhan (sekaligus) karena setiap satu SMS script yang dikirimkan harus menunggu SMS konfirmasi dari modem.

Setting Modem EDM1 IP Static

1. Kirim SMS ke nomer SIMCARD yang terdapat pada modem
2. Kirim Script SMS ke nomer simcard satu persatu
Tiap script akan mendapat balasan dari No Modem

AT+MODE=2,0,0,0,IMDEIMDE

AT+setAPN="M2MPLNAMR",IMDEIMDE

AT+setUSER="",IMDEIMDE

AT+setPWD="",IMDEIMDE

AT+setPORT=1000,IMDEIMDE

AT+WRST=1,"024:00",IMDEIMDE

AT+SAVE,IMDEIMDE



Setting Modem MLis MLB-3001G IP Static

123456at+jagp="M2MPLNAMR","","","",0

123456at+jatp="1000","10.10.10.10","",45

123456at+jam=1

123456at+jaw



NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll

Setting Modem MLIS MLB-S-65-RJ IP Static

1. Kirim SMS ke nomer SIMCARD yang terdapat pada modem
2. Kirim Script SMS ke nomer simcard satu persatu
Tiap script akan mendapat balasan dari No Modem

123456at+jagp="M2MPLNAMR","","",0

123456at+jatp="1000","10.10.10.10","",45

123456at+jam=1

123456at+jaw

**NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll**



Setting Modem MLis MLB-S-65-DC IP Static

1. Kirim SMS ke nomer SIMCARD yang terdapat pada modem
2. Kirim Script SMS ke nomer simcard satu persatu
Tiap script akan mendapat balasan dari No Modem

123456at+jagp="M2MPLNAMR","","",0

123456at+jatp="1000","10.10.10.10","",45

123456at+jam=2

123456at+jaw



**NB : Khusus MLIS wajib mengisi IP dalam proses setting
IP contoh 1.1.1.1 , 10.10.10.10 , dll**

Setting Modem DeTech (GL6100 & DSLE) IP Static

1. Kirim SMS ke nomer SIMCARD yang terdapat pada modem
2. Kirim Script SMS ke nomer simcard satu persatu
Tiap script akan mendapat balasan dari No Modem



```
at+dggsprs="M2MPLNAMR","","";+dgtcp=1,1,1000;+dgwrite
```



PLN

TERIMA KASIH