

Pengenalan Perangkat Jaringan Internet dan Troubleshooting Jaringan Internet

Kabupaten Kebumen

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Pengenalan Perangkat Jaringan Internet di Kantor



router+wifi



Wifi access point



Switch



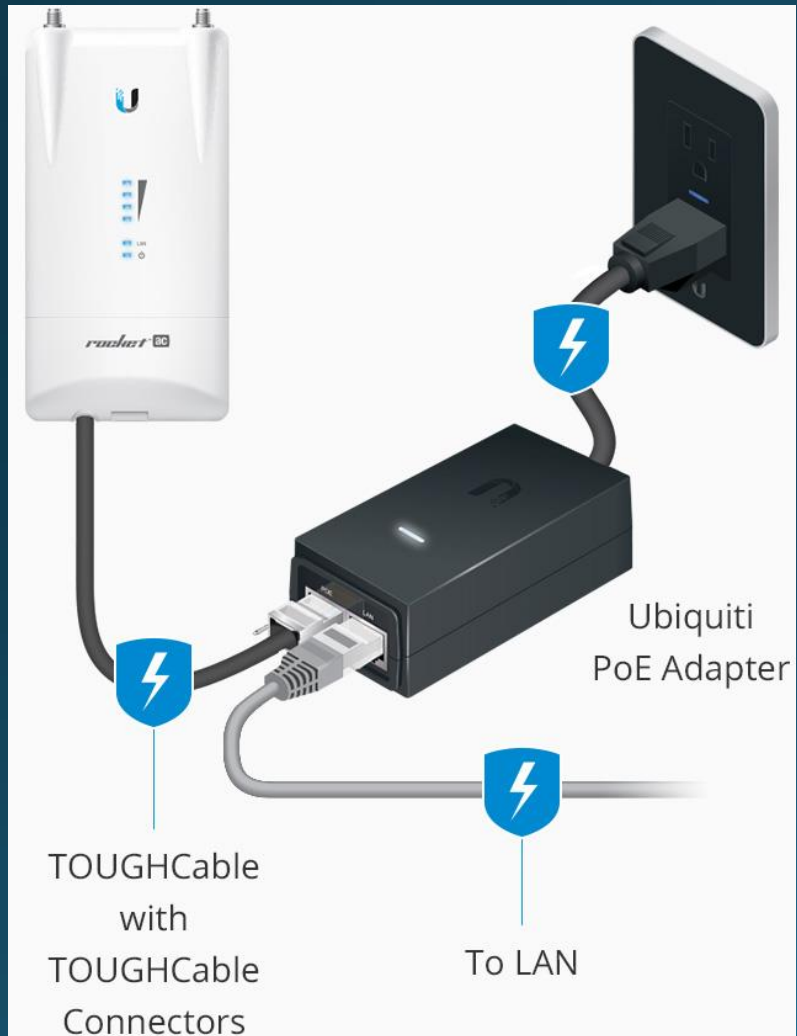
Adaptor

Pengenalan Perangkat

- Router : penghubung jaringan yang berbeda
- Wifi AP : pemancar signal untuk penghubung jaringan
- Switch : penghubung antar komputer dan jaringan



Adaptor



Apa saja perangkat Jaringan Dikantor?

- Router Wifi



Wifi AP



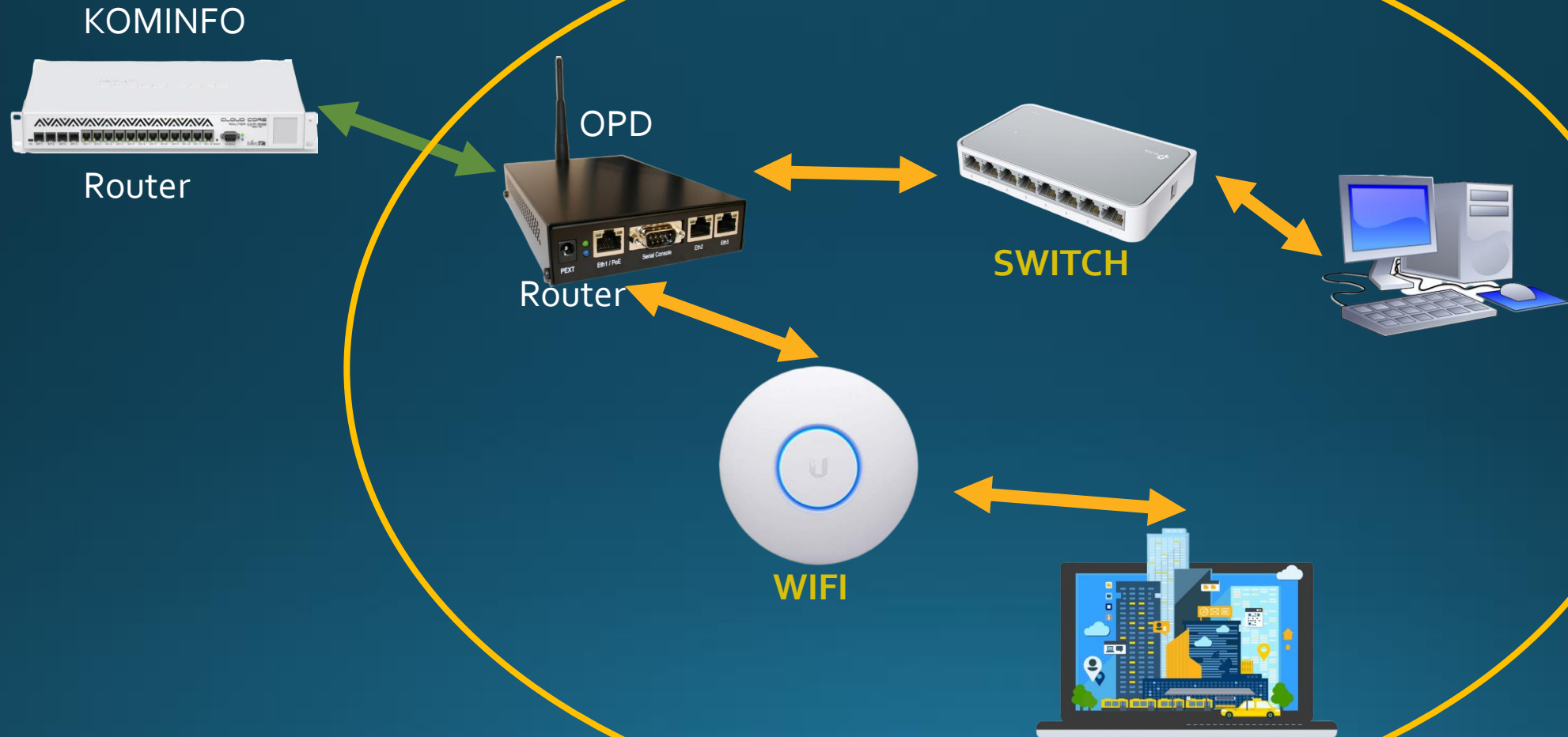
- Switch



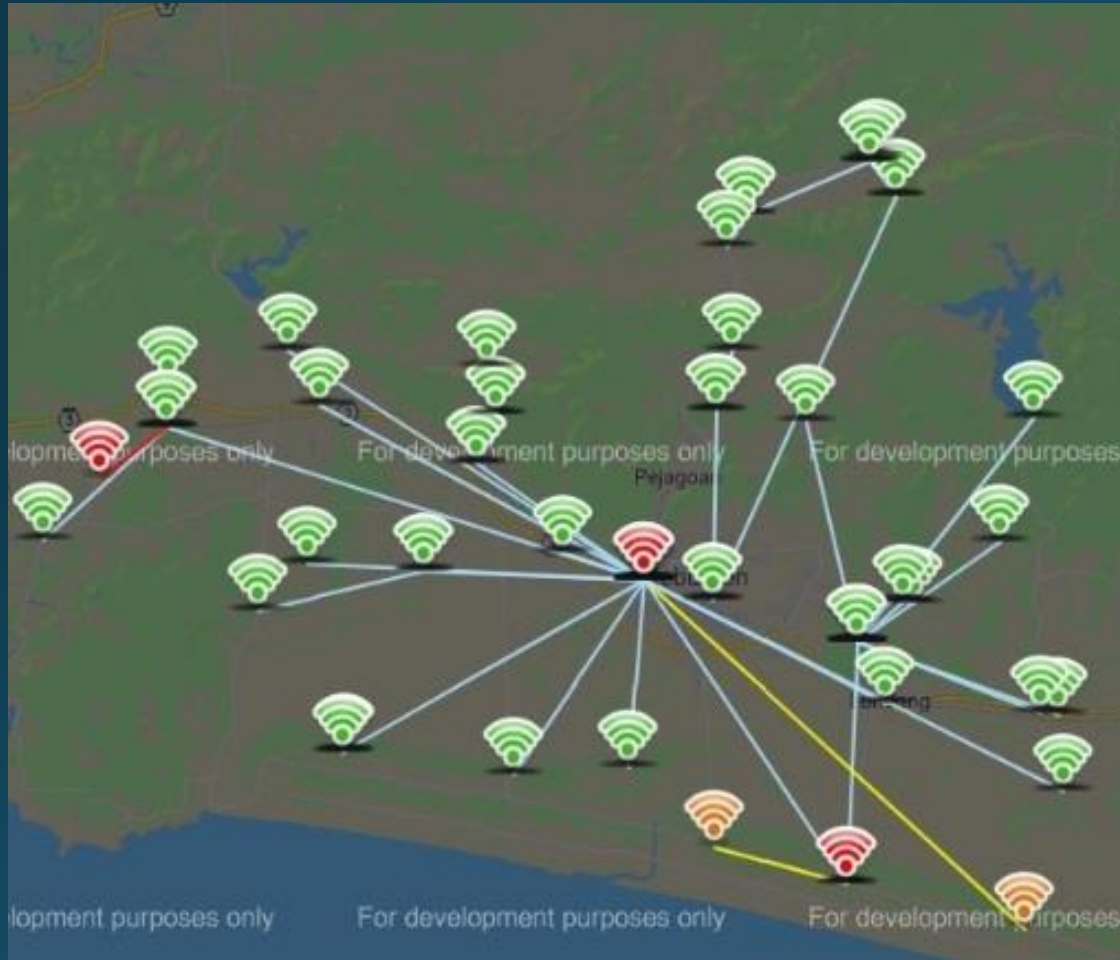
KABEL



Topologi Jaringan Kantor



Topologi Jaringan Tower



Troubleshooting Jaringan Internet



No internet

Try:

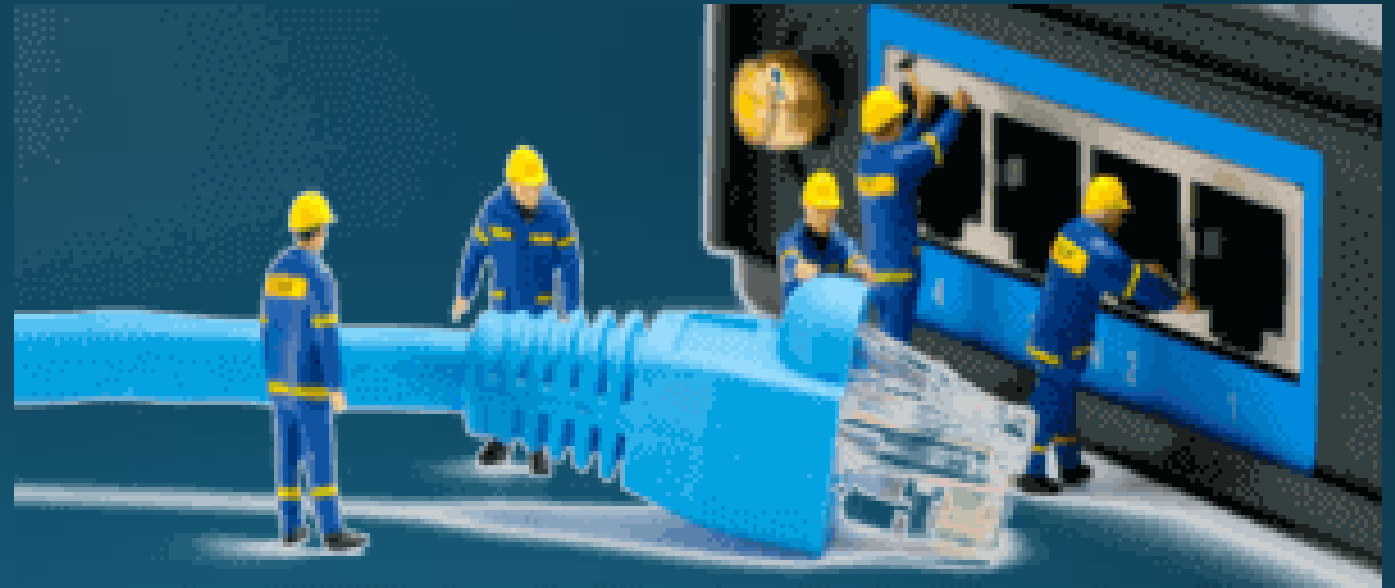
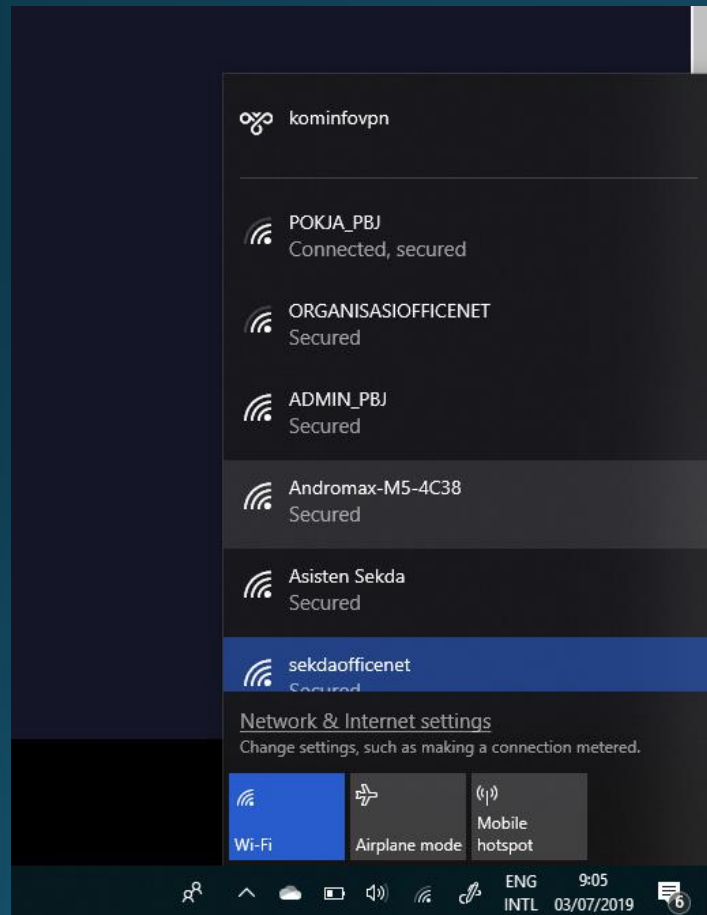
- Checking the network cables, modem, and router
- Reconnecting to Wi-Fi
- [Running Windows Network Diagnostics](#)

DNS_PROBE_FINISHED_NO_INTERNET

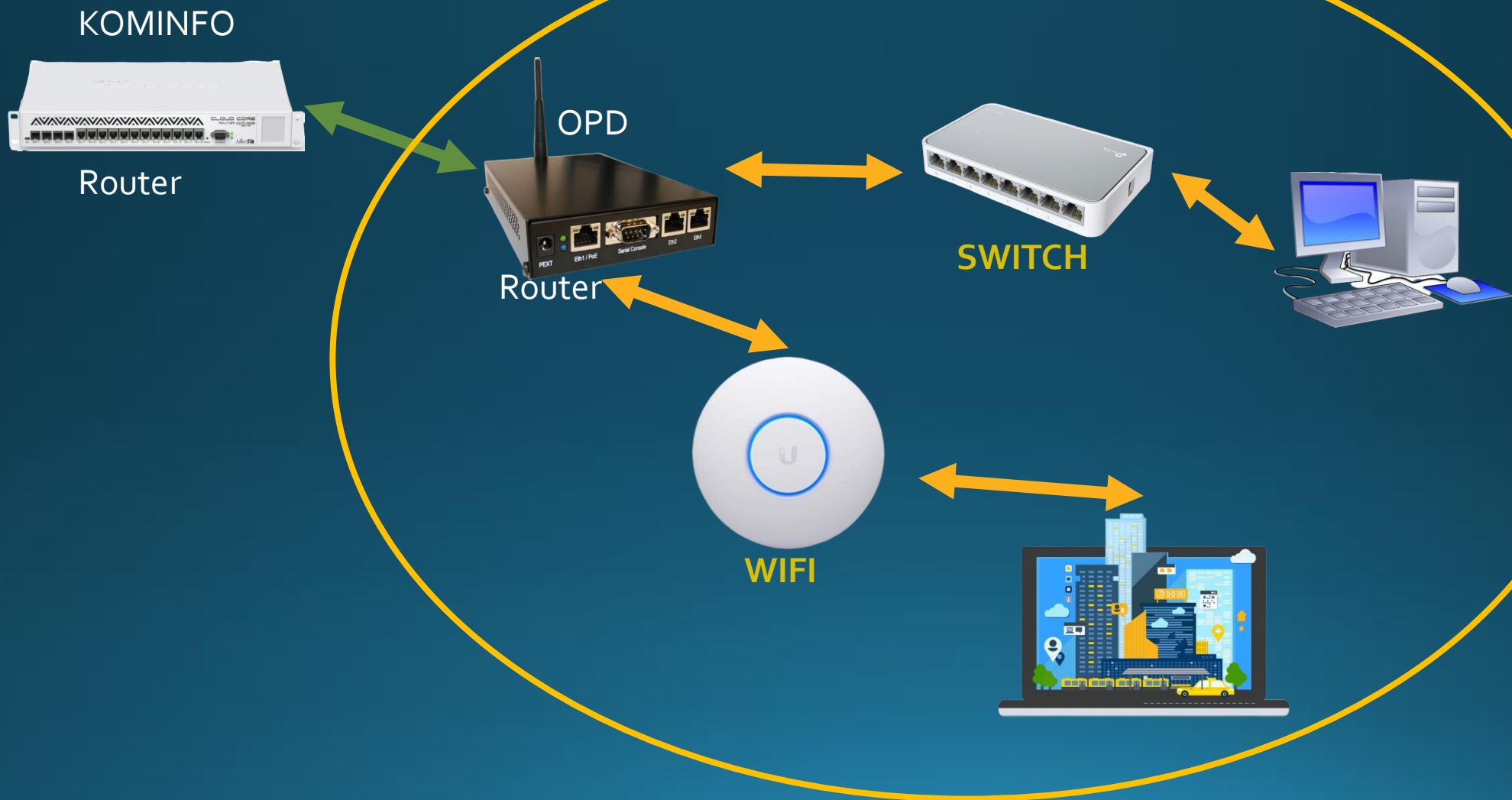
Troubleshooting Jaringan Internet

1. Cek koneksi signal wifi/kabel LAN
2. Cek Perangkat WIFI, Switch, Router kondisi ON/OFF
3. Cek konfigurasi IP Address Laptop/Komputer

Cek Wifi atau Kabel LAN



NETWORK CABLING



Cek Perangkat



Cek Konfigurasi IP Address

- Cek koneksi melalui CMD (command prompt)

```

C:\> Command Prompt
Microsoft Windows [Version 10.0.17763.615]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\totok>ipconfig

Windows IP Configuration

Ethernet adapter Npcap Loopback Adapter:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::f979:aeb8:6afe:9fad%9
    Autoconfiguration IPv4 Address. . : 169.254.159.173
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 

Wireless LAN adapter Local Area Connection* 2:

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

Wireless LAN adapter Local Area Connection* 3:

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

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::1d06:947f:f51e:6034%1
    IPv4 Address. . . . . : 10.106.100.11
    Subnet Mask . . . . . : 255.255.255.240
    Default Gateway . . . . . : 10.106.100.1

C:\Users\totok>
```

PING Gateway

```
Command Prompt
Microsoft Windows [Version 10.0.17763.615]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\totok>ping 10.106.100.1

Pinging 10.106.100.1 with 32 bytes of data:
Reply from 10.106.100.1: bytes=32 time<1ms TTL=64
Reply from 10.106.100.1: bytes=32 time<1ms TTL=64
Reply from 10.106.100.1: bytes=32 time<1ms TTL=64
Reply from 10.106.100.1: bytes=32 time<1ms TTL=64

Ping statistics for 10.106.100.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\totok>
```

Ping google

```

C:\> Command Prompt
Microsoft Windows [Version 10.0.17763.615]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\totok>ping 8.8.8.8

Pinging 8.8.8.8 with 32 bytes of data:
Reply from 8.8.8.8: bytes=32 time=61ms TTL=54
Reply from 8.8.8.8: bytes=32 time=27ms TTL=54
Reply from 8.8.8.8: bytes=32 time=30ms TTL=54
Reply from 8.8.8.8: bytes=32 time=29ms TTL=54

Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 27ms, Maximum = 61ms, Average = 36ms

C:\Users\totok>
```

•TERIMAKASIH

KOMINFO



Router

OPD



Router



SWITCH



WIFI

