

# **JARINGAN KOMPUTER**

## **TASK 6**



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**SISTEM KOMPUTER**  
**FAKULTAS ILMU KOMPUTER UNIVERSITAS**  
**SRIWIJAYA**  
**2016**

Alamat web yang dipilih : 1. **Padjadjaran.com**

2. **ITB.com**

### 1. **Padjadjaran.com**

Melakukan ping dengan menggunakan command prompt

```
C:\> Select C:\Windows\system32\cmd.exe

Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Fiah>ping padjadjaran.com

Pinging padjadjaran.com [5.172.44.35] with 32 bytes of data:
Reply from 5.172.44.35: bytes=32 time=259ms TTL=43
Reply from 5.172.44.35: bytes=32 time=258ms TTL=43
Reply from 5.172.44.35: bytes=32 time=261ms TTL=43
Reply from 5.172.44.35: bytes=32 time=259ms TTL=43

Ping statistics for 5.172.44.35:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 258ms, Maximum = 261ms, Average = 259ms

C:\Users\Fiah>
```


Tampilan menggunakan network-tools.com

Dengan memasukkan IP alamat web yang kita pilih

The screenshot shows the Network-Tools.com website interface. At the top, there is a navigation bar with links for 'FAQ/Help Files', 'Landscape Format', and 'Report Bugs'. Below this is a banner for 'Get Google Chrome' with the text 'A fast, secure, and free browser for all your devices. Download now!'. The main content area features a sidebar on the left with a list of tools: Express, Ping (selected), Trace, Whois (GDH Conversion Tool), DNS Records (Advanced Tool), Network Lookup, Spam Blacklist Check, URL Decode, URL Encode, HTTP Headers (with an SSL checkbox), and Email Tests. Below the sidebar is a text input field containing '5.172.44.35' and a checkbox for 'Convert Base-10 to IP'. The main content area displays the results of a ping test for the IP 5.172.44.35, including its location (Netherlands, NL) and a table of round trip times.

Round trip time to 5.172.44.35:
123 ms
124 ms
123 ms
125 ms
124 ms
123 ms
124 ms
126 ms
123 ms
124 ms

Ini adalah tampilan dengan memasukkan IP web yang kita pilih menggunakan <http://bgp.he.net>



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**5.172.44.35**

**Quick Links**

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
- [Bogon Routes](#)
- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)


**IP Info** **Whois** **DNS** **RBL**

5.172.44.35 (supermegahost-2.shared.oxilionhosted.nl)

Announced By		
Origin AS	Announcement	Description
<u>AS20559</u>	<u>5.172.40.0/21</u>	Oxilion B.V.

Address has 238 hosts associated with it.

Kemudian masukkan web yang kita pilih ( Padjadjaran)









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**Quick Links**

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- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)

**Search Results**

Result	Description
<a href="#">AS46044</a>	<a href="#">Universitas Padjadjaran</a> 
<a href="#">2001:df7:8800::/48</a>	Universitas Padjadjaran 
<a href="#">111.223.255.0/24</a>	Universitas Padjadjaran 
<a href="#">111.223.254.0/24</a>	Universitas Padjadjaran 
<a href="#">111.223.253.0/24</a>	Universitas Padjadjaran 
<a href="#">111.223.252.0/24</a>	Universitas Padjadjaran 

Tampilan setelah kita masukkan AS number nya



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46044

**AS46044 Universitas Padjadjaran**


AS Info | Graph v4 | Graph v6 | Prefixes v4 | Prefixes v6 | Peers v4 | Peers v6 | Whois | IRR

**Quick Links**

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
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- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)
- [Network Tools App](#)
- [Free IPv6 Tunnel](#)
- [IPv6 Certification](#)
- [IPv6 Progress](#)
- [Going Native](#)
- [Contact Us](#)

Company Website: <http://www.unpad.ac.id>  
 Company Looking Glass: <http://lg.unpad.ac.id>

Country of Origin: [Indonesia](#) 


Prefixes Originated (all): 5  
 Prefixes Originated (v4): 4  
 Prefixes Originated (v6): 1

Prefixes Announced (all): 5  
 Prefixes Announced (v4): 4  
 Prefixes Announced (v6): 1

BGP Peers Observed (all): 2  
 BGP Peers Observed (v4): 1  
 BGP Peers Observed (v6): 1


IPs Originated (v4): 1,024  
 AS Paths Observed (v4): 403  
 AS Paths Observed (v6): 202

Average AS Path Length (all): 4.260  
 Average AS Path Length (v4): 4.821  
 Average AS Path Length (v6): 3.139

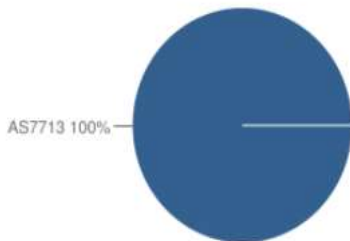


**Panduan Penyusunan Proposal  
Hibah Unggulan Program Studi (HUPS)**

UNIVERSITAS PADJADJARAN  
DEVELOPING HUMAN CAPITAL & ADVANCING KNOWLEDGE

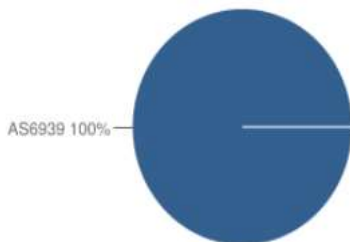
 Suka Satu orang menyukai ini.

AS46044 IPv4 Peers

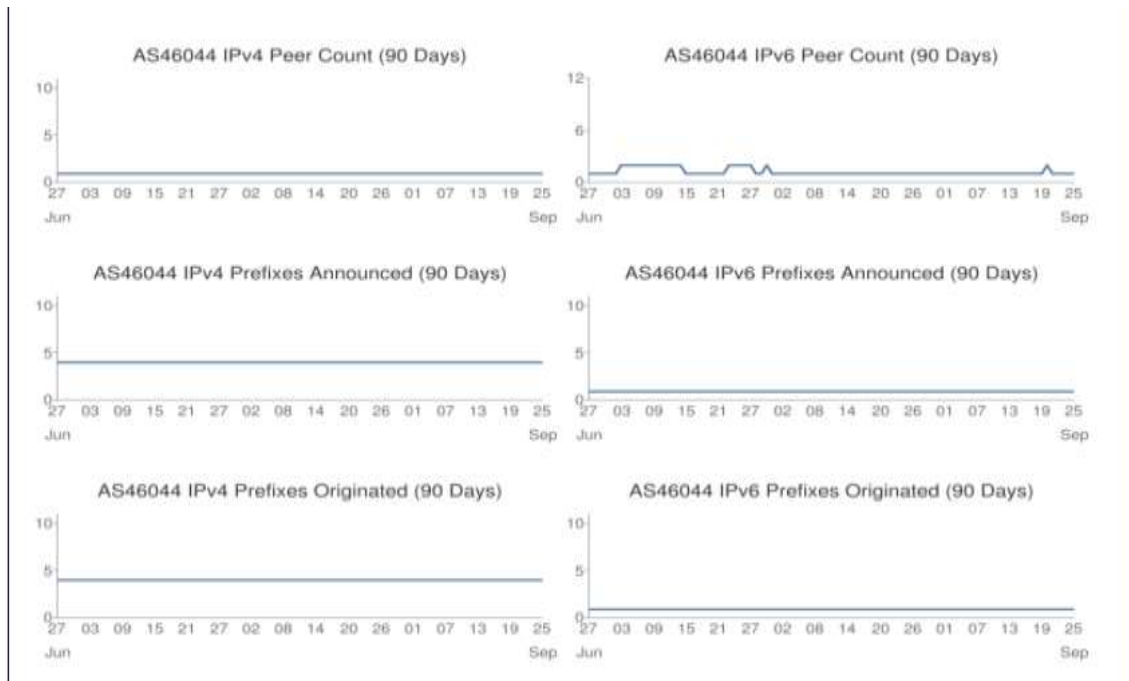


ASN	Name
AS7713	PT Telekomunikasi Indonesia

AS46044 IPv6 Peers



ASN	Name
AS6939	Hurricane Electric, Inc.



## ANALISA

Dengan mencoba ping alamat web dengan menggunakan command prompt terdapat 32 bytes tapi hanya empat yang muncul saat ditampilkan.

Dengan menggunakan network-tools.com ketika memasukkan alamat IP web yang kita pilih menampilkan sepuluh bytes yang muncul.

Terdapat perbedaan yang terjadi setelah melakukan percobaan antara menggunakan command prompt dan network-tools.com.

## 2. ITB.com

Melakukan ping dengan menggunakan command prompt

```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Fiah>ping ITB.com

Pinging itb.com [141.8.224.183] with 32 bytes of data:
Reply from 141.8.224.183: bytes=32 time=246ms TTL=236
Reply from 141.8.224.183: bytes=32 time=260ms TTL=236
Reply from 141.8.224.183: bytes=32 time=244ms TTL=236
Reply from 141.8.224.183: bytes=32 time=251ms TTL=236

Ping statistics for 141.8.224.183:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 244ms, Maximum = 260ms, Average = 250ms

C:\Users\Fiah>

```

Tampilan menggunakan network-tools.com

Dengan memasukkan IP alamat web yang kita pilih


The screenshot shows the Network-Tools.com website interface. At the top, there is a navigation bar with the logo and links for 'FAQ/Help Files', 'Landscape Format', and 'Report Bugs'. Below the navigation bar, there is a search bar and a list of tools including Express, Ping (selected), Trace, Whois, DNS Records, Network Lookup, Spam Blacklist Check, URL Decode, URL Encode, HTTP Headers, and Email Tests. A text input field contains the IP address '141.8.224.183'. To the right of the input field, there is a 'Join now' button. Below the input field, there is a 'Lookup failed: 141.8.224.183 No data' message and a 'Ping 141.8.224.183' section showing a series of round trip times (35 ms) and an average time over 10 pings (31.73 ms).

Ini adalah tampilan dengan memasukkan IP web yang kita pilih menggunakan <http://bgp.he.net>

The screenshot shows the Hurricane Electric Internet Services (HE) website. The logo is a blue circle containing the letters 'HE'. To the right of the logo, the text 'HURRICANE ELECTRIC INTERNET SERVICES' is displayed. Below the logo, the IP address '141.8.224.183' is entered into a search box. To the right of the search box, there is a 'Search' button. Below the search box, there is a 'Quick Links' section with a list of links: BGP Toolkit Home, BGP Prefix Report, BGP Peer Report, Exchange Report, Bogon Routes, World Report, Multi Origin Routes, DNS Report, Top Host Report, Internet Statistics, and Looking Glass. To the right of the Quick Links section, there is a navigation bar with buttons for 'IP Info', 'Whois', 'DNS', and 'RBL'. Below the navigation bar, the IP address '141.8.224.183' is displayed. Below the IP address, there is a table titled 'Announced By' with three columns: 'Origin AS', 'Announcement', and 'Description'. The table contains two rows of data: AS40034, 141.8.224.0/21, Rook Media GmbH; and AS19905, 141.8.224.0/24, Rook Media GmbH. Below the table, there is a message: 'Address has 0 hosts associated with it.'

Announced By		
Origin AS	Announcement	Description
AS40034	141.8.224.0/21	Rook Media GmbH
AS19905	141.8.224.0/24	Rook Media GmbH

Kemudian masukkan web yang kita pilih ( ITB)



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**Quick Links**


- [BGP Toolkit Home](#)
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- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)
- [Network Tools App](#)
- [Free IPv6 Tunnel](#)

**Search Results**

Result	Description	
<a href="#">AS59782</a>	ITB SP.z o o	
<a href="#">AS200543</a>	Farmacol ITB Sp. z o.o.	
<a href="#">AS199927</a>	ITB-Kwadraat BV	
<a href="#">81.163.200.0/21</a>	ITB SP.z o o	
<a href="#">2a04:8e40::/29</a>	ITB-Kwadraat BV	
<a href="#">193.189.103.0/24</a>	Farmacol ITB Sp. z o.o.	
<a href="#">185.42.56.0/23</a>	ITB-Kwadraat BV	

Tampilan setelah kita masukkan AS number nya  
 Pada AS number ITB mempunyai 3 ( tiga ) AS number

1. AS59782



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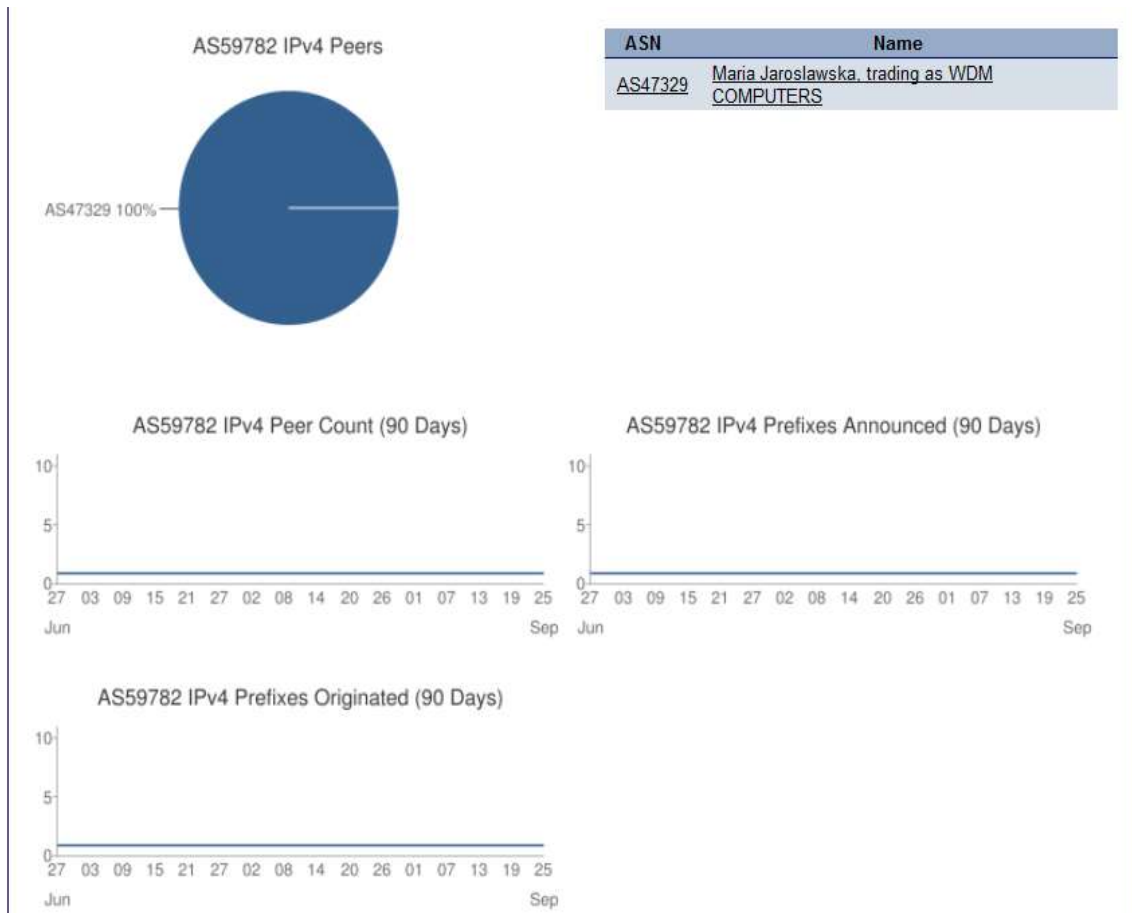
**AS59782 ITB SP.z o o**

**Quick Links**

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
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- [World Report](#)
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- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)
- [Network Tools App](#)
- [Free IPv6 Tunnel](#)
- [IPv6 Certification](#)

**AS Info** | [Graph v4](#) | [Prefixes v4](#) | [Peers v4](#) | [Whois](#) | [IRR](#)

Country of Origin:	Poland 
Prefixes Originated (all): 1	Prefixes Announced (all): 1
Prefixes Originated (v4): 1	Prefixes Announced (v4): 1
Prefixes Originated (v6): 0	Prefixes Announced (v6): 0
BGP Peers Observed (all): 1	IPs Originated (v4): 2,048
BGP Peers Observed (v4): 1	AS Paths Observed (v4): 260
BGP Peers Observed (v6): 0	AS Paths Observed (v6): 0
Average AS Path Length (all): 4.135	
Average AS Path Length (v4): 4.135	
Average AS Path Length (v6): 0.000	




## 2. AS200543



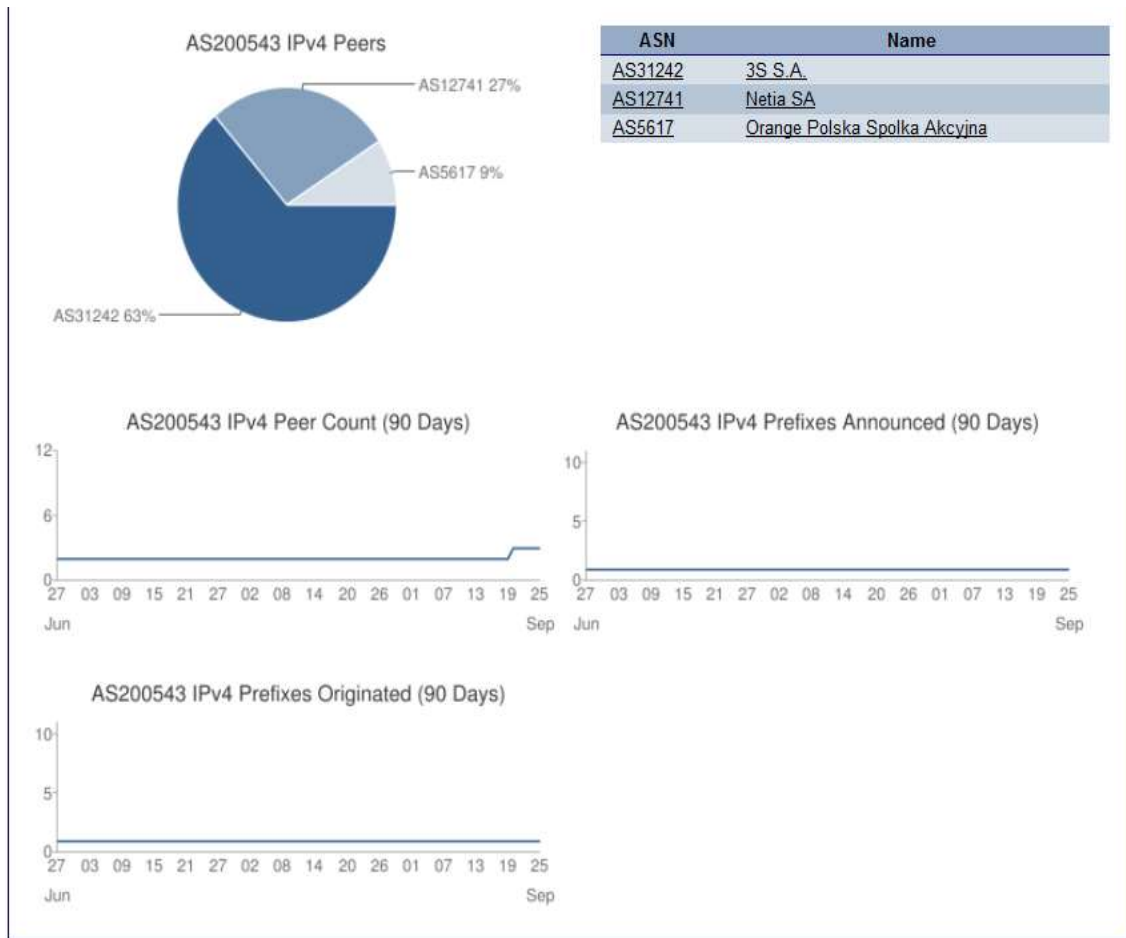
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INTERNET SERVICES



**AS200543 Farmacol ITB Sp. z o.o.**

Quick Links	AS Info	Graph v4	Prefixes v4	Peers v4	Whois	IRR
<a href="#">BGP Toolkit Home</a> <a href="#">BGP Prefix Report</a> <a href="#">BGP Peer Report</a> <a href="#">Exchange Report</a> <a href="#">Bogon Routes</a> <a href="#">World Report</a> <a href="#">Multi Origin Routes</a> <a href="#">DNS Report</a> <a href="#">Top Host Report</a> <a href="#">Internet Statistics</a> <a href="#">Looking Glass</a> <a href="#">Network Tools App</a> <a href="#">Free IPv6 Tunnel</a> <a href="#">IPv6 Certification</a>	<p>Country of Origin: <b>Poland</b> </p> <p>Prefixes Originated (all): 1 Prefixes Originated (v4): 1 Prefixes Originated (v6): 0</p> <p>BGP Peers Observed (all): 3 BGP Peers Observed (v4): 3 BGP Peers Observed (v6): 0</p> <p>Average AS Path Length (all): 4.086 Average AS Path Length (v4): 4.086 Average AS Path Length (v6): 0.000</p>					





### 3. AS199927



AS199927 ITB-Kwadrat BV

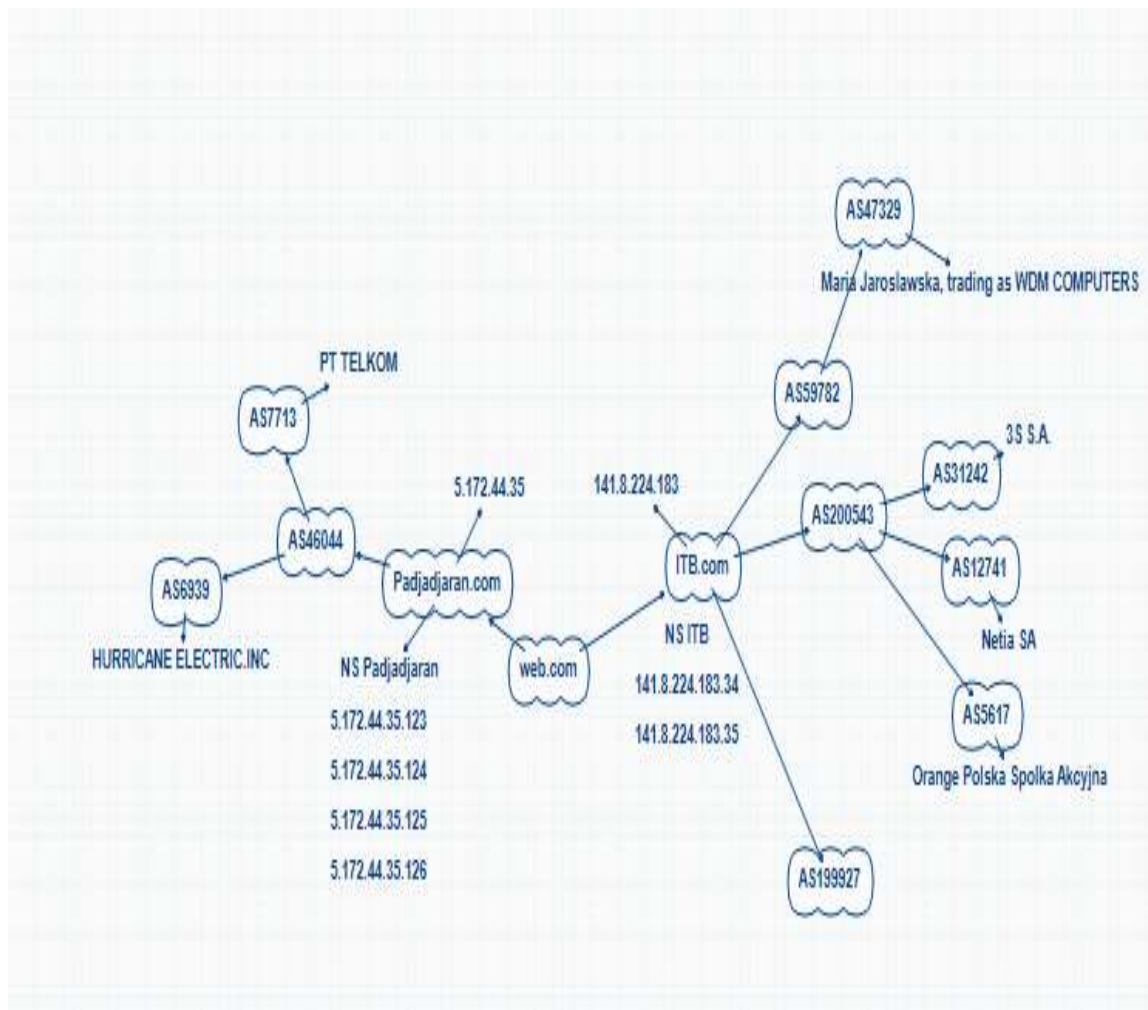
Quick Links	AS Info	Whois	IRR
<a href="#">BGP Toolkit Home</a> <a href="#">BGP Prefix Report</a> <a href="#">BGP Peer Report</a> <a href="#">Exchange Report</a> <a href="#">Boqon Routes</a> <a href="#">World Report</a> <a href="#">Multi Origin Routes</a> <a href="#">DNS Report</a> <a href="#">Top Host Report</a> <a href="#">Internet Statistics</a> <a href="#">Looking Glass</a> <a href="#">Network Tools App</a> <a href="#">Free IPv6 Tunnel</a> <a href="#">IPv6 Certification</a>	<p>Country of Origin: <b>Netherlands</b> </p> <p>Prefixes Originated (all): 0  Prefixes Originated (v4): 0  Prefixes Originated (v6): 0</p> <p>BGP Peers Observed (all): 0  BGP Peers Observed (v4): 0  BGP Peers Observed (v6): 0</p> <p>Average AS Path Length (all): 0.000  Average AS Path Length (v4): 0.000  Average AS Path Length (v6): 0.000</p> <p>Prefixes Announced (all): 0  Prefixes Announced (v4): 0  Prefixes Announced (v6): 0</p> <p>IPs Originated (v4): 0  AS Paths Observed (v4): 0  AS Paths Observed (v6): 0</p>		

## ANALISA

Dengan mencoba ping alamat web dengan menggunakan command prompt terdapat 32 bytes tapi hanya empat yang muncul saat ditampilkan.

Dengan menggunakan network-tools.com ketika memasukkan alamat IP web yang kita pilih menampilkan sepuluh bytes yang muncul.

Terdapat perbedaan yang terjadi setelah melakukan percobaan antara menggunakan command prompt dan network-tools.com.



Pada web padjadjaran NS nya ada empat. Dengan AS 46044 pada AS 7713 yaitu pada PT TELKOM kemudian pada AS 6939 pada HURRICANE ELECTRIC.INC

Pada web ITB NS nya ada dus. Dengan AS 59782 pada AS 47329 yaitu pada MARIA JOROSLAWSKA, TRADING as WOM COMPUTER. AS 200543 pada AS31242 pada 3S S.A pada AS 12741 dengan NETIA SA pada AS5617 dengan ORANGE POLSKA SPOLKA AKCYJNA. Kemudian pada AS199927 tidak ada yang ditampilkan AS nya.