

**Komunikasi Data dan Jaringan Komputer**

**Analisis IP Address Lokal dan Interlokal**



**ILHAM DANU WASPODO**

**09031281520110**

**DOSEN PEMBIMBING**

**Deris Stiawan, M.T., Ph.D.**

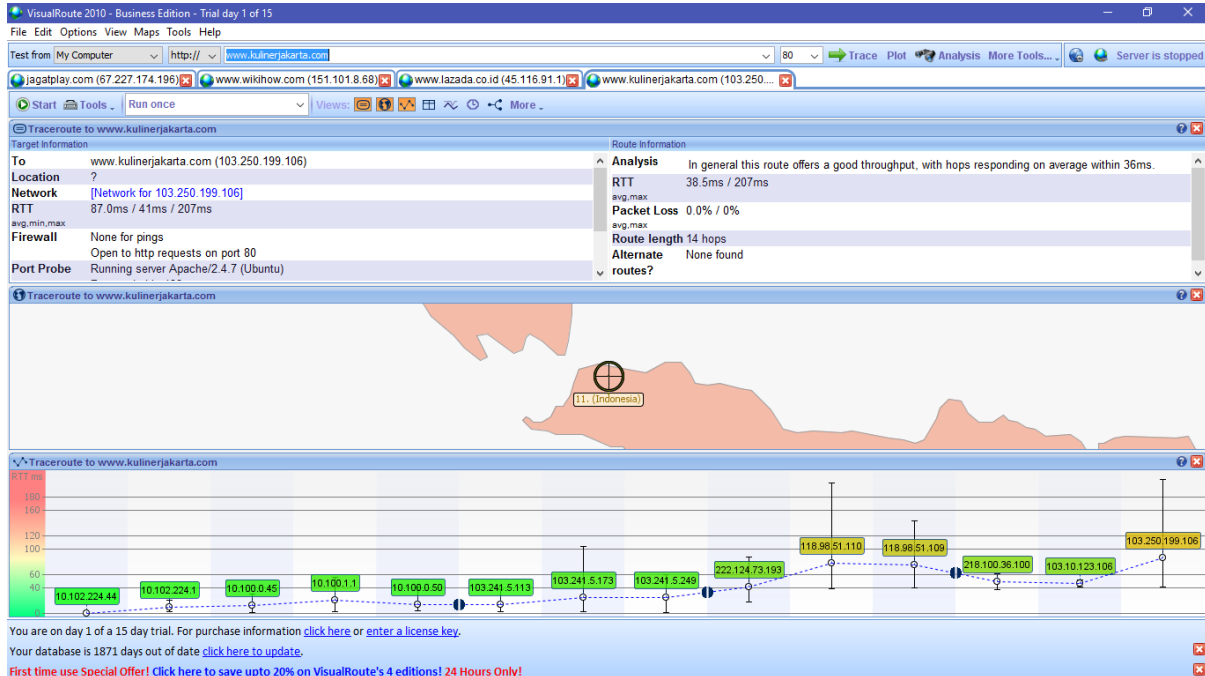
**SISTEM INFORMASI**

**FAKULTAS ILMU KOMPUTER**

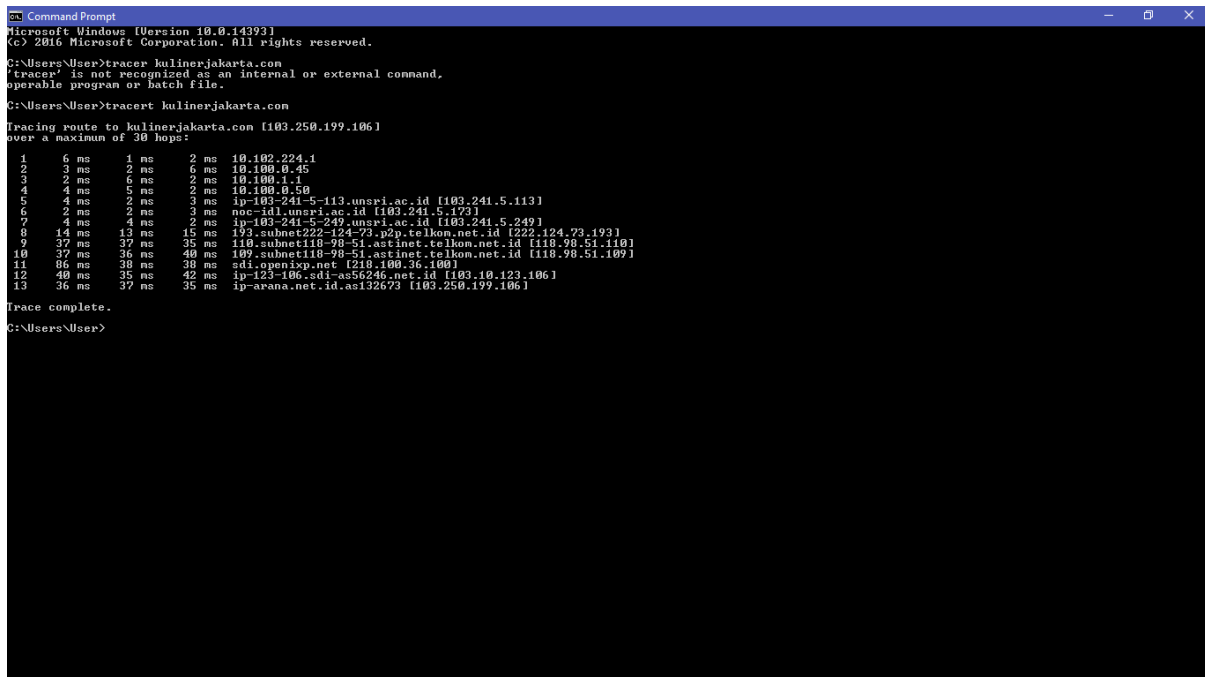
**UNIVERSITAS SRIWIJAYA**

# IP LOKAL

## 1. www.kulinerjakarta.com



Dari Hasil yang didapatkan setelah memasukkan alamat website [www.kulinerjakarta.com](http://www.kulinerjakarta.com) ternyata diperlukan 14 hops untuk mencapai destinasi yang diinginkan dengan respon rata – rata 36 ms



Dari 14 hops yang ada, terdapat 4 hops lokal dan 9 hops publik yang diketahui. Jaringan yang digunakan untuk menganalisis website ini adalah jaringan yang dimiliki oleh Fakultas Ilmu Komputer Universitas Sriwijaya



Dari 13 IP yang ada, IP address **10.102.224.44** sampai **10.100.0.50** merupakan IP lokal, sedangkan **103.241.5.173** sampai **103.241.5.249** merupakan IP yang dimiliki oleh unsri.ac.id. hal ini bisa diketahui melalui [www.network-tools.com](http://www.network-tools.com).

```
#
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets;q=10.102.224.44?
showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#

NetRange: 10.0.0.0 - 10.255.255.255
CIDR: 10.0.0.0/8
NetName: PRIVATE-ADDRESS-ABLK-RFC1918-IANA-RESERVED
NetHandle: NET-10-0-0-1
Parent: ()
NetType: IANA Special Use
OriginAS:
Organization: Internet Assigned Numbers Authority (IANA)
RegDate:
Updated: 2013-08-30
Comment: These addresses are in use by many millions of independently operated networks, which might be as small as a single computer connected to a home gateway, and are automatically configured in hundreds of millions of devices. They are only intended for use within a private context and traffic that needs to cross the Internet will need to use a different, unique address.
Comment:
```

Dari screenshot diatas dapat diketahui bahwa IP **10.0.0.0 – 10.255.255.255** merupakan IP lokal

Results returned from [whois.pandi.or.id](#)

Domain ID:PANDI-DO228145  
 Domain Name:UNSRI.AC.ID  
 Created On:01-Sep-1999 13:32:27 UTC  
 Last Updated On:29-Oct-2016 13:57:03 UTC  
 Expiration Date:31-Oct-2017 23:59:59 UTC  
 Status:clientTransferProhibited  
 Status:serverTransferProhibited  
 Registrant ID:candr12  
 Registrant Name:Candra Setiawan  
 Registrant Organization:Universitas Sriwijaya  
 Registrant Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236 Pakjo  
 Registrant Street2:Jln. Raya Palembang - Prabumulih Km. 32 Indralaya, OI, Sumatera Selatan  
 Registrant City:Palembang  
 Registrant State/Province:Sumatra Selatan  
 Registrant Postal Code:30138  
 Registrant Country:ID  
 Registrant Phone:+62.8194858899  
 Registrant Email:jehan\_cs@yahoo.com  
 Admin ID:02candravd3thd27  
 Admin Name:Candra Setiawan  
 Admin Organization:unsri  
 Admin Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236  
 Admin City:Palembang  
 Admin State/Province:Palembang  
 Admin Postal Code:30138  
 Admin Country:ID  
 Admin Phone:+00.00000000  
 Admin FAX:+00.00000000  
 Admin Email:jehan\_cs@yahoo.com  
 Tech ID:02candravd3thd27  
 Tech Name:Candra Setiawan  
 Tech Organization:unsri  
 Tech Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236

Lalu dari screenshot diatas, dapat diketahui bahwa IP Address **103.241.5.113** merupakan IP yang dimiliki oleh **unsri.ac.id** dengan nama pemilik **Candra Setiawan** serta dibuat pada tanggal **01 september 1999 jam 13.32.27** dan terakhir diperbarui tanggal **29 Oktober 2016 jam 13.57.03** Lalu akan berakhir pada tanggal **31 Oktober 2017 jam 23.59.59**

Retrieving DNS records for **193.subnet222-124-73.p2p.telkom.net.id**...  
 Attempt to get a DNS server for **193.subnet222-124-73.p2p.telkom.net.id** failed: **193.subnet222-124-73.p2p.telkom.net.id** does not exist in the DNSWhois query for **telkom.net.id**...

Results returned from [whois.pandi.or.id](#):

Domain ID:PANDI-DO173632  
 Domain Name:TELKOM.NET.ID  
 Created On:14-May-1996 13:29:50 UTC  
 Last Updated On:17-Oct-2016 00:13:52 UTC  
 Expiration Date:01-Sep-2018 23:59:59 UTC  
 Status:ok  
 Registrant ID:itdm1  
 Registrant Name:IDC Telkom Divisi Multimedia  
 Registrant Organization:Telkom Divisi Multimedia  
 Registrant Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Registrant City:Jakarta Pusat  
 Registrant State/Province:DKI Jakarta  
 Registrant Postal Code:10340  
 Registrant Country:ID  
 Registrant Phone:  
 Registrant Email:idc@telkom.co.id  
 Admin ID:phunt1  
 Admin Name:  
 Admin Postal Code:  
 Admin Country:  
 Admin Phone:  
 Admin Email:phunta@telkom.net.id  
 Tech ID:itdm1  
 Tech Name:IDC Telkom Divisi Multimedia  
 Tech Organization:Telkom Divisi Multimedia  
 Tech Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Tech City:Jakarta Pusat  
 Tech State/Province:DKI Jakarta  
 Tech Postal Code:10340

person: Addy Kurnia Komara  
nic-hdl: AK289-AP  
e-mail: addy@telkom.co.id  
address: PT Telkom DIVRE II  
address: Gedung Grha Citra Caraka  
address: Jl Jend Gatot Subroto Kav 52  
address: Jakarta  
phone: +62-21-70782339  
fax-no: +62-21-5212002  
country: ID  
changed: hostmaster@telkom.net.id 20060217  
mnt-by: MAINT-TELKOMNET  
source: APNIC

person: Dudy Solehuddin  
nic-hdl: DS472-AP  
e-mail: dudy.s@telkom.co.id  
address: PT Telkom DIVRE II  
address: Gedung Grha Citra Caraka  
address: Jl Jend Gatot Subroto Kav 52  
address: JAKARTA  
phone: +62 21 5211936  
fax-no: +62 21 5212022  
country: ID  
changed: hostmaster@telkom.net.id 20060116  
mnt-by: MAINT-TELKOMNET  
source: APNIC

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **222.124.73.193** merupakan IP yang dimiliki oleh Telkom.net.id dengan nama pemilik Addy Kurnia Komara dan Dudy Solehuddin serta dibuat pada tanggal 14 Mei 1996 jam 13.29.50 dan terakhir diperbarui tanggal 17 Oktober 2016 jam 00.13.52 Lalu akan berakhir pada tanggal 01 Oktober 2018 jam 23.59.59

network-tools.com/default.asp?prog=express&host=218.100.36.100

Whois query for **openixp.net**...  
Results returned from **whois.internic.net**:  
Whois Server Version 2.0

Domain names in the .com and .net domains can now be registered with many different competing registrars. Go to <http://www.internic.net> for detailed information.

Domain Name: OPENIXP.NET  
Registrar: NETEARTH ONE INC. D/B/A NETEARTH  
Sponsoring Registrar IANA ID: 1005  
Whois Server: whois.advancedregistrar.com  
Referral URL: <http://www.netearthone.com>  
Name Server: ALDERAN.THE.NET.ID  
Name Server: ENDOR.THE.NET.ID  
Status: clientTransferProhibited <https://icann.org/epp#clientTransferProhibited>  
Updated Date: 01-aug-2016  
Creation Date: 22-aug-2005  
Expiration Date: 22-aug-2017

>>> Last update of whois database: Tue, 14 Feb 2017 13:59:00 GMT <<<

For more information on Whois status codes, please visit <https://icann.org/epp>

NOTICE: The expiration date displayed in this record is the date the registrar's sponsorship of the domain name registration in the registry is currently set to expire. This date does not necessarily reflect the expiration date of the domain name registrant's agreement with the sponsoring registrar. Users may consult the sponsoring registrar's Whois database to view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois database in order to conduct high-volume or automated electronic processes that are high-volume and automated in nature. It is not permitted to use the Whois database for purposes that are not reasonably necessary to register domain names or



Berikutnya dari screenshot diatas, dapat diketahui bahwa IP **218.100.36.100** merupakan IP yang dimiliki oleh OPENIXP.NET dengan nama pemilik Johar Alam serta dibuat pada tanggal 22 agustus 2005 dan terakhir diperbarui tanggal 1 agustus 2016 Lalu akan berakhir pada tanggal 22 agustus 2017



```
network-tools.com/default.asp?prog=express&host=103.10.123.106
Google Play SAS 4 - Ninja Kiv System Requirements Facebook Premium Link Genera How people build sof Get

address: PT Sumber Data Indonesia
address: GD. Graha Mustika Ratu Lt.10
address: Jl. Jend. Gatot Subroto Kav.74-75
address: Menteng Dalam, Tebet., Jakarta Selatan, 12870
e-mail: abuse@sumberdata.co.id
abuse-mailbox: abuse@sumberdata.co.id
admin-c: AS1214-AP
tech-c: AS1214-AP
auth: # Filtered
mnt-by: MAINT-ID-SDI
changed: abuse@sumberdata.co.id 20110610
source: APNIC

person: Alfo Indra Pratomo
address: GD. Graha Mustika Ratu Lt.10
address: Jl. Jend. Gatot Subroto Kav.74-75
address: Menteng Dalam, Tebet.
address: Jakarta Selatan, 12870
country: ID
phone: +62-21-83708875
fax-no: +62-21-83708874
e-mail: alfo@sumberdata.co.id
nic-hdl: AIP1-AP
mnt-by: MAINT-ID-SDI
changed: hostmaster@idnic.net 20110614
source: APNIC

% Information related to '103.10.123.0/24AS56246'

route: 103.10.123.0/24
descr: Route object of PT Sumber Data Indonesia
descr: Internet Service Provider
descr: GD. Graha Mustika Ratu Lt.10
```

```
network-tools.com/default.asp?prog=express&host=103.10.123.106
Google Play SAS 4 - Ninja Kiv System Requirements Facebook Premium Link Genera How people build sof Get

address: PT Sumber Data Indonesia
address: GD. Graha Mustika Ratu Lt.10
address: Jl. Jend. Gatot Subroto Kav.74-75
address: Menteng Dalam, Tebet., Jakarta Selatan, 12870
e-mail: abuse@sumberdata.co.id
abuse-mailbox: abuse@sumberdata.co.id
admin-c: AS1214-AP
tech-c: AS1214-AP
auth: # Filtered
mnt-by: MAINT-ID-SDI
changed: abuse@sumberdata.co.id 20110610
source: APNIC

person: Alfo Indra Pratomo
address: GD. Graha Mustika Ratu Lt.10
address: Jl. Jend. Gatot Subroto Kav.74-75
address: Menteng Dalam, Tebet.
address: Jakarta Selatan, 12870
country: ID
phone: +62-21-83708875
fax-no: +62-21-83708874
e-mail: alfo@sumberdata.co.id
nic-hdl: AIP1-AP
mnt-by: MAINT-ID-SDI
changed: hostmaster@idnic.net 20110614
source: APNIC

% Information related to '103.10.123.0/24AS56246'

route: 103.10.123.0/24
descr: Route object of PT Sumber Data Indonesia
descr: Internet Service Provider
descr: GD. Graha Mustika Ratu Lt.10
```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **103.10.123.106** merupakan IP yang dimiliki oleh PT. Sumber Data Indonesia dengan nama pemilik Alfo Indra Pratomo serta dibuat pada tanggal 09 januari 2011 dan terakhir diperbarui tanggal 10 february 2011, untuk IP ini sendiri,

terlihat bahwa IP addressnya belum teregistrasi kedalam database ARIN. ARIN atau APNIC (Asia Pacific Network Information Centre) merupakan database yang bisa dicari secara bebas yang berfungsi untuk mengetahui informasi akan kepemilikan IP address tersebut.

network-tools.com/default.asp?prog=express&host=103.250.199.106

NetRange: 103.0.0.0 - 103.255.255.255  
CIDR: 103.0.0/8  
NetName: APNIC-103  
NetHandle: NET-103-0-0-1  
Parent: ()  
NetType: Allocated to APNIC  
OriginAS:  
Organization: Asia Pacific Network Information Centre (APNIC)  
RegDate: 2011-01-09  
Updated: 2011-02-10  
Comment: This IP address range is not registered in the ARIN database.  
Comment: For details, refer to the APNIC Whois Database via  
Comment: WHOIS.APNIC.NET or <http://wq.apnic.net/apnic-bin/whois.pl>  
Comment: \*\* IMPORTANT NOTE: APNIC is the Regional Internet Registry  
Comment: for the Asia Pacific region. APNIC does not operate networks  
Comment: using this IP address range and is not able to investigate  
Comment: spam or abuse reports relating to these addresses. For more  
Comment: help, refer to [http://www.apnic.net/apnic-info/whois\\_search2/abuse-and-spamming](http://www.apnic.net/apnic-info/whois_search2/abuse-and-spamming)  
Ref: <https://whois.arin.net/rest/net/NET-103-0-0-1>

ResourceLink: <http://wq.apnic.net/whois-search/static/search.html>  
ResourceLink: [whois.apnic.net](http://whois.apnic.net)

OrgName: Asia Pacific Network Information Centre  
OrgId: APNIC  
Address: PO Box 3646  
City: South Brisbane  
StateProv: QLD  
PostalCode: 4101  
Country: AU  
RegDate:

network-tools.com/default.asp?prog=express&host=103.250.199.106

% Information related to '103.250.199.1 - 103.250.199.251'

inetnum: 103.250.199.1 - 103.250.199.251  
netname: ARANA-CUSTOMER  
descr: PT. ARANA TEKNOLOGI INDONESIA  
descr: Orange Groove Blok SF-B No.18 Kota Wisata, Jl.Ciangsana  
descr: Gunung Putri - Bogor 16968, Indonesia  
country: ID  
admin-c: RA390-AP  
tech-c: RA390-AP  
status: ASSIGNED NON-PORTABLE  
mnt-by: MAINT-ID-ARANANETWORK  
mnt-irt: IRT-ARANANETWORK-ID  
changed: hostmaster@jdnic.net 20160926  
source: APNIC

irt: IRT-ARANANETWORK-ID  
address: PT. Arana Teknologi Indonesia  
address: Ruko Orange Groove Blok SF-B No.18 Kota Wisata, Jl.Ciangsana  
address: Gunung Putri - Bogor 16968, Indonesia  
e-mail: [ryan@arananetwork.co.id](mailto:ryan@arananetwork.co.id)  
abuse-mailbox: [ryan@arananetwork.co.id](mailto:ryan@arananetwork.co.id)  
admin-c: RA390-AP  
tech-c: RA390-AP  
auth: # Filtered  
mnt-by: MAINT-ID-ARANANETWORK  
changed: [ryan@arananetwork.co.id](mailto:ryan@arananetwork.co.id) 20130715  
source: APNIC

person: Ryan Ariyanto  
address: Orange Groove Blok SF-B No.18 Kota Wisata, Jl.Ciangsana  
address: Gunung Putri - Bogor 16968, Indonesia  
country: ID  
phone: +62-21-30006250



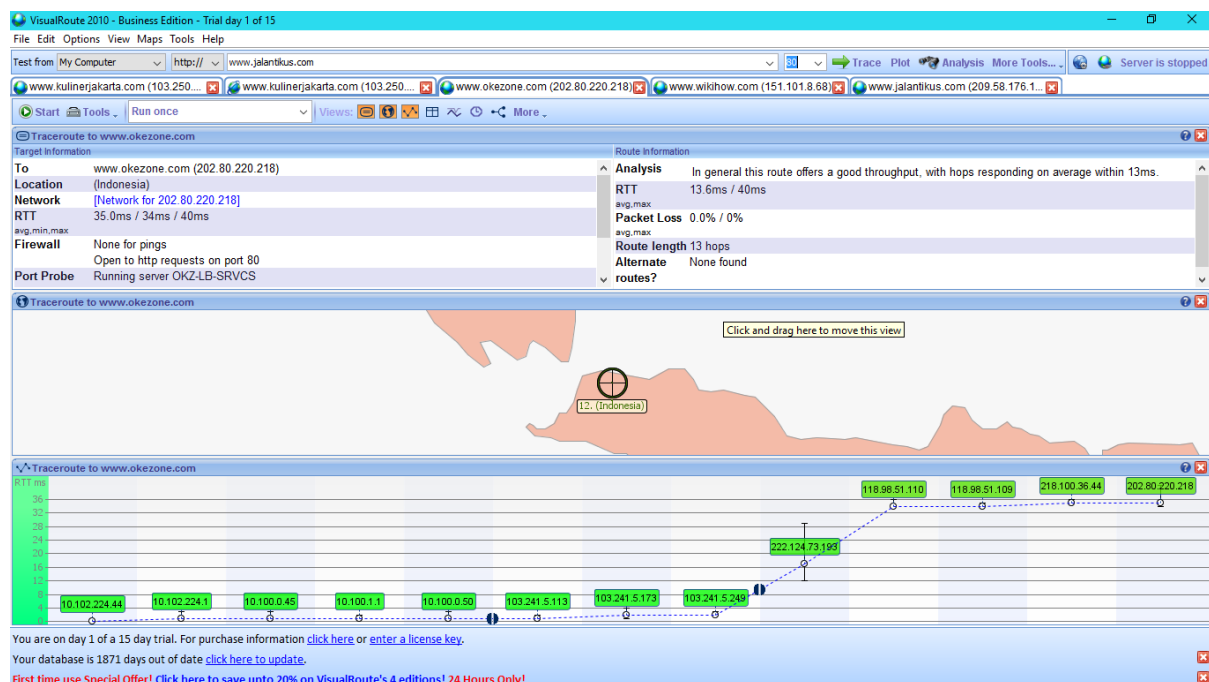
Kemudian dari screenshot diatas, dapat diketahui bahwa IP **103.250.199.106** merupakan IP yang dimiliki oleh PT. ARANA TEKNOLOGI INDONESIA dengan nama pemilik Ryan Arianto serta dibuat pada tanggal 09 Januari 2011 dan terakhir diperbarui tanggal 10 Februari 2011, untuk IP ini sendiri, terlihat bahwa IP addressnya belum teregistrasi kedalam database ARIN.

### Kesimpulan :

Kesimpulan yang didapatkan setelah menganalisa IP Address [www.kulinerjakarta.com](http://www.kulinerjakarta.com) dengan menggunakan jaringan internet **fasikom unsri** adalah bahwa IP ini membutuhkan 14 hops untuk mencapai destinasi dengan respon rata – rata 36 ms. 14 hops yang dilalui diantaranya adalah :

1. **10.102.224.44 - 10.100.0.50** = Merupakan IP Local
2. **103.241.5.113 – 118.98.51.109** = Merupakan IP Telkom
3. **218.100.36.100** = Merupakan IP OPENIXP.NET
4. **103.10.123.106** = Merupakan IP PT. Sumber Data Indonesia
5. **103.250.199.106** = Merupakan IP PT. ARANA TEKNOLOGI INDONESIA

### 2. [www.okezone.com](http://www.okezone.com)



Dari Hasil yang didapatkan setelah memasukkan alamat website [www.okezone.com](http://www.okezone.com) ternyata diperlukan 14 hops untuk mencapai destinasi yang diinginkan dengan respon rata – rata 13 ms

```

C:\> Command Prompt

Tracing route to okezone.com [202.80.220.213]
over a maximum of 30 hops:

  0  0 ms  0 ms  0 ms  10.102.224.1
  1  3 ms  4 ms  2 ms  10.100.0.45
  2  2 ms  6 ms  92 ms 10.100.0.1
  3  2 ms  3 ms  1 ms  10.100.0.50
  4  5 ms  3 ms  1 ms  ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  5 ms  4 ms  1 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  2 ms  2 ms  3 ms  ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  10 ms 2 ms  2 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.
  8  70 ms 11 ms 21 ms 110.subnet118-98-51.astinet.telkom.net.id [118.9
  9  *      140 ms 134 ms 109.subnet118-98-51.astinet.telkom.net.id [118.9
 10 131 ms *      *      109.subnet118-98-51.astinet.telkom.net.id [118.9
 11 132 ms 132 ms 135 ms topnet.openixp.net [218.100.36.44]
 12 146 ms 134 ms 133 ms 202.80.220.213
 13 155 ms 158 ms 134 ms 202.80.220.213
 14 132 ms 133 ms 133 ms 202.80.220.213

Trace complete.

C:\Users\NUser>

```

Dari 13 hops yang ada, terdapat 4 hops lokal dan 10 hops publik. Jaringan yang digunakan untuk menganalisis website ini adalah jaringan yang dimiliki oleh Fakultas Ilmu Komputer Universitas Sriwijaya.

Dari screenshot diatas dapat diketahui bahwa IP **10.0.0.0 – 10.255.255.255** merupakan IP lokal

network-tools.com/default.asp?prog=express&host=103.241.5.113

Retrieving DNS records for **ip-103-241-5-113.unsri.ac.id**...

Attempt to get a DNS server for **ip-103-241-5-113.unsri.ac.id** failed: **ip-103-241-5-113.unsri.ac.id** does not exist in the DNSWhois query for **unsri.ac.id**...

Results returned from **whois.pandi.or.id**:

Domain ID:PANDI-DO228145  
 Domain Name:UNSR.AC.ID  
 Created On:01-Sep-1999 13:32:27 UTC  
 Last Updated On:29-Oct-2016 13:57:03 UTC  
 Expiration Date:31-Oct-2017 23:59:59 UTC  
 Status:clientTransferProhibited  
 Status:serverTransferProhibited  
 Registrant ID:candr12  
 Registrant Name:Candra Setiawan  
 Registrant Organization:Universitas Sriwijaya  
 Registrant Street1:Jl. Inspektur Marzuki RT.01/09 Lrg. Damai I No. 2236 Pakjo  
 Registrant Street2:Jln. Raya Palembang - Prabumulih Km. 32 Indralaya, Ol, Sumatera Selatan  
 Registrant City:Palembang  
 Registrant State/Province:Sumatra Selatan  
 Registrant Postal Code:30138  
 Registrant Country:ID  
 Registrant Phone:+62.8194858899  
 Registrant Email:jehan\_cs@yahoo.com  
 Admin ID:02candravd3hd27  
 Admin Name:Candra Setiawan  
 Admin Organization:unsri  
 Admin Street1:Jl. Inspektur Marzuki RT.01/09 Lrg. Damai I No. 2236  
 Admin City:Palembang  
 Admin State/Province:Palembang  
 Admin Postal Code:30138  
 Admin Country:ID  
 Admin Phone:+00.00000000  
 Admin FAX:+00.00000000  
 Admin Email:jehan\_cs@yahoo.com

Lalu dari screenshot diatas, dapat diketahui bahwa IP Address **103.241.5.113** merupakan IP yang dimiliki oleh **unsri.ac.id** dengan nama pemilik **Candra Setiawan** serta dibuat pada tanggal **01 september 1999** jam **13.32.27** dan terakhir diperbarui tanggal **29 Oktober 2016** jam **13.57.03** Lalu akan berakhir pada tanggal **31 Oktober 2017** jam **23.59.59**

network-tools.com/default.asp?prog=express&host=222.124.73.193

Retrieving DNS records for **193.subnet222-124-73.p2p.telkom.net.id**...

Attempt to get a DNS server for **193.subnet222-124-73.p2p.telkom.net.id** failed: **193.subnet222-124-73.p2p.telkom.net.id** does not exist in the DNSWhois query for **telkom.net.id**...

Results returned from **whois.pandi.or.id**:

Domain ID:PANDI-DO173632  
 Domain Name:TELKOM.NET.ID  
 Created On:14-May-1996 13:29:50 UTC  
 Last Updated On:17-Oct-2016 00:13:52 UTC  
 Expiration Date:01-Sep-2018 23:59:59 UTC  
 Status:ok  
 Registrant ID:itdm1  
 Registrant Name:IDC Telkom Divisi Multimedia  
 Registrant Organization:Telkom Divisi Multimedia  
 Registrant Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Registrant City:Jakarta Pusat  
 Registrant State/Province:DKI Jakarta  
 Registrant Postal Code:10340  
 Registrant Country:ID  
 Registrant Phone:  
 Registrant Email:idc@telkom.co.id  
 Admin ID:phunt1  
 Admin Name:  
 Admin Postal Code:  
 Admin Country:  
 Admin Phone:  
 Admin Email:phunta@telkom.net.id  
 Tech ID:itdm1  
 Tech Name:IDC Telkom Divisi Multimedia  
 Tech Organization:Telkom Divisi Multimedia  
 Tech Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Tech City:Jakarta Pusat  
 Tech State/Province:DKI Jakarta  
 Tech Postal Code:10340

```
network-tools.com/default.asp?prog=express&host=222.124.73.193
Google Play SAS 4 - Ninja Kir System Requirements Facebook Premium Link Genera How
person: Addy Kurnia Komara
nic-hdl: AK289-AP
e-mail: addy@telkom.co.id
address: PT Telkom DIVRE II
address: Gedung Grha Citra Caraka
address: Jl Jend Gatot Subroto Kav 52
address: Jakarta
phone: +62-21-70782339
fax-no: +62-21-5212002
country: ID
changed: hostmaster@telkom.net.id 20060217
mnt-by: MAINT-TELKOMNET
source: APNIC

person: Dudy Solehuddin
nic-hdl: DS472-AP
e-mail: dudy.s@telkom.co.id
address: PT Telkom DIVRE II
address: Gedung Grha Citra Caraka
address: Jl Jend Gatot Subroto Kav 52
address: JAKARTA
phone: +62 21 5211936
fax-no: +62 21 5212022
country: ID
changed: hostmaster@telkom.net.id 20060116
mnt-by: MAINT-TELKOMNET
source: APNIC

% Information related to '222.124.72.0/23AS17974'

route: 222.124.72.0/23
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia Lt. 7
descr: Jl. Kebancih No. 12
```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **222.124.73.193** merupakan IP yang dimiliki oleh Telkom.net.id dengan nama pemilik Addy Kurnia Komara dan Dudy Solehuddin serta dibuat pada tanggal 14 Mei 1996 jam 13.29.50 dan terakhir diperbarui tanggal 17 Oktober 2016 jam 00.13.52 Lalu akan berakhir pada tanggal 01 Oktober 2018 jam 23.59.59

network-tools.com/default.asp?prog=express&host=118.98.51.110

Retrieving DNS records for **110.subnet118-98-51.astinet.telkom.net.id**  
 Attempt to get a DNS server for **110.subnet118-98-51.astinet.51.astinet.telkom.net.id** does not exist in the DNSWhois query  
 Results returned from **whois.pandi.or.id**:  
 Domain ID:PANDI-DO173632  
 Domain Name:TELKOM.NET.ID  
 Created On:14-May-1996 13:29:50 UTC  
 Last Updated On:17-Oct-2016 00:13:52 UTC  
 Expiration Date:01-Sep-2018 23:59:59 UTC  
 Status:ok  
 Registrant ID:itdm1  
 Registrant Name:IDC Telkom Divisi Multimedia  
 Registrant Organization:Telkom Divisi Multimedia  
 Registrant Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Registrant City:Jakarta Pusat  
 Registrant State/Province:DKI Jakarta  
 Registrant Postal Code:10340  
 Registrant Country:ID  
 Registrant Phone:  
 Registrant Email:idc@telkom.co.id  
 Admin ID:phunt1  
 Admin Name:  
 Admin Postal Code:  
 Admin Country:  
 Admin Phone:  
 Admin Email:phunta@telkom.net.id  
 Tech ID:itdm1  
 Tech Name:IDC Telkom Divisi Multimedia  
 Tech Organization:Telkom Divisi Multimedia  
 Tech Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
 Tech City:Jakarta Pusat  
 Tech State/Province:DKI Jakarta  
 Tech Postal Code:10340

network-tools.com/default.asp?prog=express&host=118.98.51.110

address: PT. TELKOM INDONESIA  
 address: Menara Multimedia Lt. 7  
 address: Jl. Kebonsirih No.12  
 address: JAKARTA  
 country: ID  
 phone: +62-21-3860500  
 fax-no: +62-21-3861215  
 e-mail: ip-admin@telkom.net.id  
 admin-c: HM444-AP  
 tech-c: HM444-AP  
 nic-hdl: AR165-AP  
 notify: hostmaster@telkom.net.id  
 mnt-by: MAINT-TELKOMNET  
 changed: hostmaster@telkom.net.id 20060105  
 source: APNIC

person: PT Telkom Indonesia Hostmaster  
 nic-hdl: HM444-AP  
 e-mail: hostmaster@telkom.net.id  
 address: PT. TELKOM INDONESIA  
 address: Menara Multimedia Lt. 7  
 address: Jl. Kebonsirih No.12  
 address: JAKARTA  
 phone: +62-21-3860500  
 fax-no: +62-21-3861215  
 country: ID  
 notify: hostmaster@telkom.net.id  
 mnt-by: MAINT-TELKOMNET  
 changed: hostmaster@telkom.net.id 20060105  
 source: APNIC

% Information related to '118.98.48.0/21AS17974'

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **118.98.51.110** merupakan IP yang dimiliki oleh Telkom.net.id dengan nama pemilik PT.Telkom Indonesia Hostmaster serta dibuat pada tanggal 14 mei 1996 jam 13.29.50 dan terakhir diperbarui tanggal 17 Oktober 2016 jam 00.13.52 Lalu akan berakhir pada tanggal 01 Oktober 2018 jam 23.59.59

network-tools.com/default.asp?prog=express&host=218.100.36.44

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Domain Name: OPENIXP.NET  
 Registrar: NETEARTH ONE INC. D/B/A NETEARTH  
 Sponsoring Registrar IANA ID: 1005  
 Whois Server: whois.advancedregistrar.com  
 Referral URL: http://www.netearthone.com  
 Name Server: ALDERAN.THE.NET.ID  
 Name Server: ENDOR.THE.NET.ID  
 Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited  
 Updated Date: 01-aug-2016  
 Creation Date: 22-aug-2005  
 Expiration Date: 22-aug-2017

>>> Last update of whois database: Tue, 14 Feb 2017 16:37:25 GMT <<<

For more information on Whois status codes, please visit <https://icann.org/epp>

NOTICE: The expiration date displayed in this record is the date the registrar's sponsorship of the domain name registration in the registry is currently set to expire. This date does not necessarily reflect the expiration date of the domain name registrant's agreement with the sponsoring registrar. Users may consult the sponsoring registrar's Whois database to view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois database through the use of electronic processes that are high-volume and automated except as reasonably necessary to register domain names or modify existing registrations; the Data in VeriSign Global Registry Services' ("VeriSign") Whois database is provided by VeriSign for information purposes only, and to assist persons in obtaining information about or related to a domain name registration record. VeriSign does not guarantee its accuracy. By submitting a Whois query, you agree to abide by the following terms of use: You agree that you may use this Data only for lawful purposes and that under no circumstances will you use this Data

network-tools.com/default.asp?prog=express&host=218.100.36.44

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country: ID  
 admin-c: JA1-AP  
 tech-c: JA1-AP  
 mnt-by: APNIC-HM  
 status: ASSIGNED PORTABLE  
 mnt-irt: IRT-IDC-ID  
 changed: hm-changed@apnic.net 20050923  
 source: APNIC

irt: IRT-IDC-ID  
 address: IDC Indonesia  
 address: Cyber Building 7th Floor  
 address: Jalan Kuningan Barat No. 8  
 address: Jakarta 12710  
 e-mail: abuse@idc.co.id  
 abuse-mailbox: abuse@idc.co.id  
 admin-c: JA1-AP  
 tech-c: JA1-AP  
 auth: # Filtered  
 mnt-by: MAINT-ID-IDC  
 changed: abuse@idc.co.id 20110330  
 source: APNIC

person: Johar Alam  
 address: Bukit Permai B2 No. 7, Cibubur.  
 country: ID  
 address: Jakarta 13720  
 phone: +62-21 8727447  
 fax-no: +62-21 87704279  
 e-mail: johar@the.net.id  
 nic-hdl: JA1-AP  
 mnt-by: MAINT-THE.NET-ID  
 changed: johar@the.net.id 20020719

Berikutnya dari screenshot diatas, dapat diketahui bahwa IP **218.100.36.44** merupakan IP yang dimiliki oleh OPENIXP.NET dengan nama pemilik Johar Alam serta dibuat pada tanggal 22 agustus 2005 dan terakhir diperbarui tanggal 1 agustus 2016 Lalu akan berakhir pada tanggal 22 agustus 2017

network-tools.com/default.asp?prog=express&host=202.80.220.218

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```

NetRange: 202.0.0.0 - 202.255.255.255
CIDR: 202.0.0/8
NetName: APNIC-CIDR-BLK
NetHandle: NET-202-0-0-1
Parent: ()
NetType: Allocated to APNIC
OriginAS:
Organization: Asia Pacific Network Information Centre (APNIC)
RegDate: 1994-04-05
Updated: 2010-08-02
Comment: This IP address range is not registered in the ARIN database.
Comment: For details, refer to the APNIC Whois Database via
Comment: WHOIS.APNIC.NET or http://wq.apnic.net/apnic-bin/whois.pl
Comment: ** IMPORTANT NOTE: APNIC is the Regional Internet Registry
Comment: for the Asia Pacific region. APNIC does not operate networks
Comment: using this IP address range and is not able to investigate
Comment: spam or abuse reports relating to these addresses. For more
Comment: help, refer to http://www.apnic.net/apnic-info/whois_search2/abuse-and-spamming
Ref: https://whois.arin.net/rest/net/NET-202-0-0-1

ResourceLink: http://wq.apnic.net/whois-search/static/search.html
ResourceLink: whois.apnic.net

OrgName: Asia Pacific Network Information Centre
OrgId: APNIC
Address: PO Box 3646
City: South Brisbane
StateProv: QLD
PostalCode: 4101
Country: AU
RegDate:
Updated: 2012-01-24

```

network-tools.com/default.asp?prog=express&host=202.80.220.218

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```

netname: TOP-NET
descr: PT Dunia Informasi Teknologi
descr: ISP
descr: Jakarta
country: ID
admin-c: TH64-AP
tech-c: TH64-AP
status: ALLOCATED PORTABLE
remarks: Send Spam & Abuse report to: abuse@top.net.id
mnt-by: MNT-APJII-ID
mnt-lower: MAINT-ID-TOP
changed: hm-changed@apnic.net 20031010
changed: hostmaster@apjii.or.id 20031010
changed: hostmaster@idnic.net 20151001
mnt-irt: IRT-IDNIC-ID
source: APNIC

irt: IRT-IDNIC-ID
address: INDONESIA NETWORK INFORMATION CENTER
address: Cyber Building 11th Floor
address: Jl. Kuningan Barat No.8
address: Jakarta Selatan 12710
e-mail: abuse@idnic.net
abuse-mailbox: abuse@idnic.net
admin-c: IA55-AP
tech-c: IH123-AP
auth: # Filtered
mnt-by: MNT-APJII-ID
changed: abuse@idnic.net 20101108
source: APNIC

role: TOPNET Hostmaster
address: Menara Kebun Sirih Lt8
address: Jakarta Pusat

```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **202.80.220.218** merupakan IP yang dimiliki oleh PT. Dunia Informasi Teknologi dengan nama pemilik TOPNET Hostmaster serta dibuat pada tanggal 05 April 1994 dan terakhir diperbarui tanggal 02 Agustus 2010, untuk IP ini sendiri, terlihat bahwa IP addressnya belum teregistrasi kedalam database ARIN.

### **Kesimpulan :**

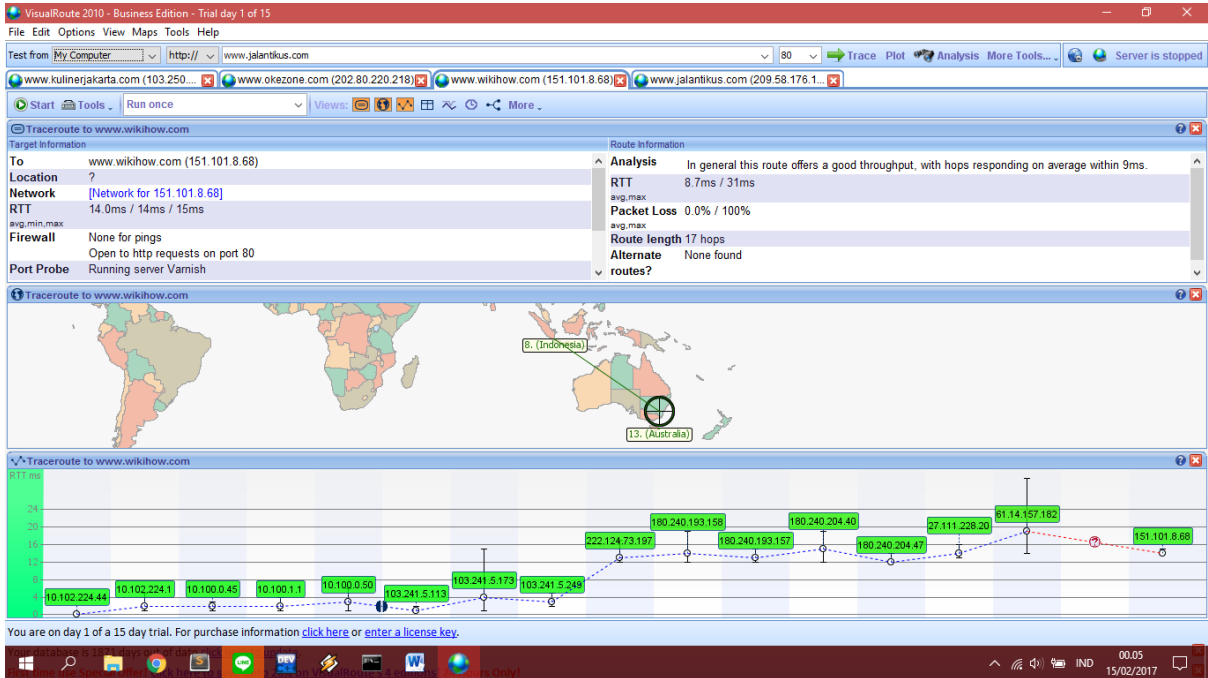
Kesimpulan yang didapatkan setelah menganalisa IP Address [www.okezone.com](http://www.okezone.com) dengan menggunakan jaringan internet **fasikom unsri** adalah bahwa IP ini membutuhkan 14 hops untuk mencapai destinasi dengan respon rata – rata 13 ms. 14 hops yang dilalui diantaranya adalah :

1. **10.0.0.0 – 10.255.255.255** = Merupakan IP Local
2. **103.241.5.113 - 222.124.73.193** = Merupakan IP Telkom
3. **118.98.51.110** = Merupakan IP Telkom yang dimiliki oleh PT.Telkom Indonesia Hostmaster
4. **218.100.36.44** = Merupakan IP OPENIXP.NET
5. **202.80.220.218** = Merupakan IP PT. Dunia Informasi Teknologi

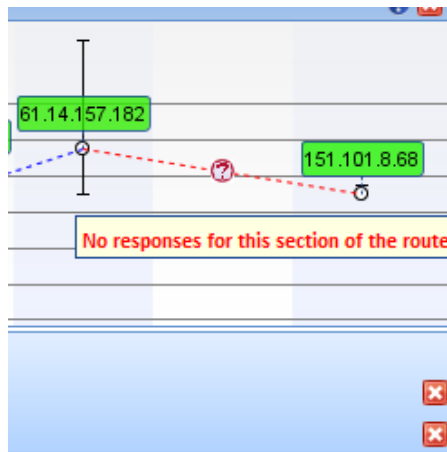


# IP INTERLOKAL

## 1. [www.wikihow.com](http://www.wikihow.com)



Dari Hasil yang didapatkan setelah memasukkan alamat website [www.wikihow.com](http://www.wikihow.com) ternyata diperlukan 17 hops (1 hops tidak merespon) untuk mencapai destinasi yang diinginkan dengan respon rata – rata 9 ms



(hops yang tidak merespon)

```

C:\Users\User>tracert wikihow.com

Tracing route to wikihow.com [151.101.72.68]
over a maximum of 30 hops:
  0  29 ms    2 ms     4 ms    10.102.224.1
  1  4 ms     5 ms     4 ms    10.100.0.45
  2  1 ms     5 ms     3 ms    10.100.1.1
  3  4 ms     3 ms     2 ms    10.100.0.50
  4  3 ms     1 ms     2 ms    ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  1 ms     2 ms     1 ms    noc-idl.unsri.ac.id [103.241.5.173]
  6  2 ms     1 ms     2 ms    ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  15 ms    12 ms    13 ms   197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
  8  30 ms    12 ms    12 ms   180.240.193.158
  9  15 ms    12 ms    16 ms   180.240.193.157
 10 259 ms   16 ms    22 ms   180.240.204.41
 11 32 ms    16 ms    14 ms   180.240.204.47
 12 24 ms    68 ms    30 ms   116.51.26.33
 13 15 ms    13 ms    13 ms   ae-0.r21.sngpsi05.sg.bb.gin.ntt.net [129.250.4.73]
 14 97 ms    87 ms    85 ms   ae-20.r31.tokyjp05.jp.bb.gin.ntt.net [129.250.7.38]
 15 81 ms    81 ms    82 ms   ae-17.r01.tokyjp03.jp.bb.gin.ntt.net [129.250.6.117]
 16 *      *        *
 17 *      *        *      Request timed out.
 18 122 ms  119 ms  121 ms  151.101.72.68

Trace complete.

```

Dari screenshot diatas, dapat dilihat bahwa hops yang ada hanya 17, hal ini disebabkan karena terdapat 1 hops yang tidak merespon terdapat 4 hops lokal dan 13 hops publik. Jaringan yang digunakan untuk menganalisis website ini adalah jaringan yang dimiliki oleh Fakultas Ilmu Komputer Universitas Sriwijaya.

```

#
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets;q=10.102.224.44?
showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#

NetRange: 10.0.0.0 - 10.255.255.255
CIDR: 10.0.0.0/8
NetName: PRIVATE-ADDRESS-ABLK-RFC1918-IANA-RESERVED
NetHandle: NET-10-0-0-1
Parent: ()
NetType: IANA Special Use
OriginAS:
Organization: Internet Assigned Numbers Authority (IANA)
RegDate:
Updated: 2013-08-30
Comment: These addresses are in use by many millions of independently operated networks, which might be as small as a single computer connected to a home gateway, and are automatically configured in hundreds of millions of devices. They are only intended for use within a private context and traffic that needs to cross the Internet will need to use a different, unique address.
Comment:

```

Dari screenshot diatas dapat diketahui bahwa IP **10.0.0.0 – 10.255.255.255** merupakan IP lokal

network-tools.com/default.asp?prog=express&host=103.241.5.113

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Network Solutions  
Godaddy  
Tucows  
ENOM  
.biz .org  
Country Code (2-letter) domains:  
.ae | .au | .be | .br | .bs | .ca | .cl  
.co | .de | .dz | .ec | .es | .hr | .hu | .id  
.io | .kr | .my | .nl | .ph | .pk | .ru  
.us | .za  
Suggest a Link

Results returned from whois.pandi.or.id

Domain ID:PANDI-D0228145  
Domain Name:UNSRI.AC.ID  
Created On:01-Sep-1999 13:32:27 UTC  
Last Updated On:29-Oct-2016 13:57:03 UTC  
Expiration Date:31-Oct-2017 23:59:59 UTC  
Status:clientTransferProhibited  
Status:serverTransferProhibited  
Registrant ID:candr12  
Registrant Name:Candra Setiawan  
Registrant Organization:Universitas Sriwijaya  
Registrant Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236 Pakjo  
Registrant Street2:Jln. Raya Palembang - Prabumulih Km. 32 Indralaya, OI, Sumatera Selatan  
Registrant City:Palembang  
Registrant State/Province:Sumatra Selatan  
Registrant Postal Code:30138  
Registrant Country:ID  
Registrant Phone:+62.8194858899  
Registrant Email:jehan\_cs@yahoo.com  
Admin ID:02candravd3thd27  
Admin Name:Candra Setiawan  
Admin Organization:unsri  
Admin Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236  
Admin City:Palembang  
Admin State/Province:Palembang  
Admin Postal Code:30138  
Admin Country:ID  
Admin Phone:+00.00000000  
Admin FAX:+00.00000000  
Admin Email:jehan\_cs@yahoo.com  
Tech ID:02candravd3thd27  
Tech Name:Candra Setiawan  
Tech Organization:unsri  
Tech Street1:Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236

Lalu dari screenshot diatas, dapat diketahui bahwa IP Address **103.241.5.113** merupakan IP yang dimiliki oleh unsri.ac.id dengan nama pemilik Candra Setiawan serta dibuat pada tanggal 01 september 1999 jam 13.32.27 dan terakhir diperbarui tanggal 29 Oktober 2016 jam 13.57.03 Lalu akan berakhir pada tanggal 31 Oktober 2017 jam 23.59.59

network-tools.com/default.asp?prog=express&host=103.241.5.113

Google Play SAS 4 - Ninja Kiv System Requirements Facebook Premium Link Genera How people build sof Get Your Eyes Focus True Swordsman DP

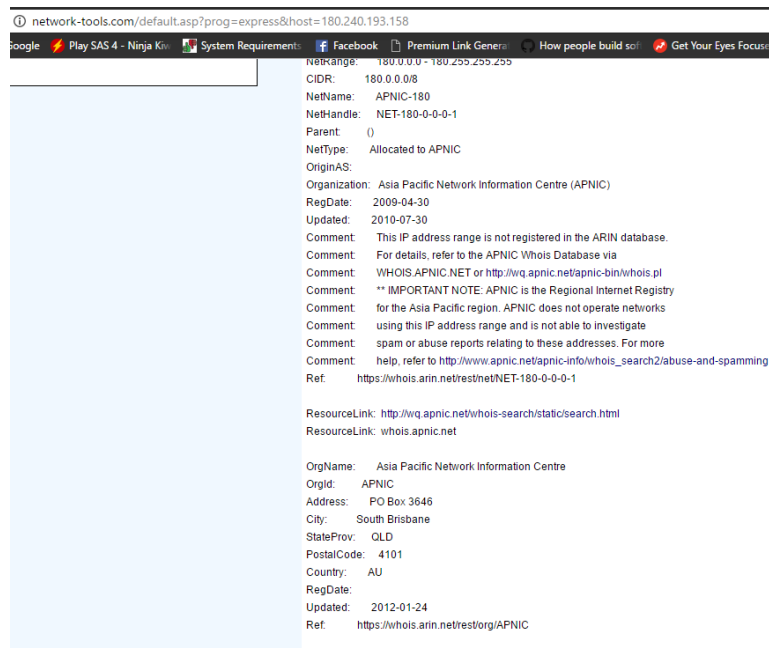
Network Solutions  
Godaddy  
Tucows  
ENOM  
.biz .org  
Country Code (2-letter) domains:  
.ae | .au | .be | .br | .bs | .ca | .cl  
.co | .de | .dz | .ec | .es | .hr | .hu | .id  
.io | .kr | .my | .nl | .ph | .pk | .ru  
.us | .za  
Suggest a Link

Results returned from whois.pandi.or.id

Domain ID:PANDI-D0117092  
Domain Name:TELKOM.NET.ID  
Created On:14-May-1996 13:29:50 UTC  
Last Updated On:17-Oct-2016 00:13:52 UTC  
Expiration Date:01-Sep-2018 23:59:59 UTC  
Status:ok  
Registrant ID:itdm1  
Registrant Name:IDC Telkom Divisi Multimedia  
Registrant Organization:Telkom Divisi Multimedia  
Registrant Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
Registrant City:Jakarta Pusat  
Registrant State/Province:DKI Jakarta  
Registrant Postal Code:10340  
Registrant Country:ID  
Registrant Phone:  
Registrant Email:idc@telkom.co.id  
Admin ID:phunt1  
Admin Name:  
Admin Postal Code:  
Admin Country:  
Admin Phone:  
Admin Email:phunta@telkom.net.id  
Tech ID:itdm1  
Tech Name:IDC Telkom Divisi Multimedia  
Tech Organization:Telkom Divisi Multimedia  
Tech Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
Tech City:Jakarta Pusat  
Tech State/Province:DKI Jakarta  
Tech Postal Code:10340  
Tech Country:ID  
Tech Phone:  
Tech Email:idc@telkom.co.id



Kemudian dari screenshot diatas, dapat diketahui bahwa IP **222.124.73.197** merupakan IP yang dimiliki oleh Telkom.net.id dengan nama pemilik Addy Kurnia Komara dan Dudy Solehuddin serta dibuat pada tanggal 14 Mei 1996 jam 13.29.50 dan terakhir diperbarui tanggal 17 Oktober 2016 jam 00.13.52 Lalu akan berakhir pada tanggal 01 Oktober 2018 jam 23.59.59



```
network-tools.com/default.asp?prog=express&host=180.240.193.158
Google Play SAS 4 - Ninja Kiwi System Requirement: Facebook Premium Link Generator How people build soft

remarks: To report network abuse, please contact nrt@apnic.net
remarks: For troubleshooting, please contact tech-c and admin-c
remarks: Report invalid contact via www.apnic.net/invalidcontact
remarks: -----
changed: hm-changed@apnic.net 20110831
source: APNIC

irt: IRT-TELIN-NET-SG
address: 30 CHANGI NORTH WAY SINGAPORE
e-mail: abuse@telin.sg
abuse-mailbox: abuse@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
auth: # Filtered
mnt-by: MAINT-TELIN-NET-SG
changed: ryan.chiew@telin.sg 20150820
source: APNIC

role: TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD
address: 30 CHANGI NORTH WAY SINGAPORE
country: SG
phone: +65 6542-1930
fax-no: +65 6542-9169
e-mail: support@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
nic-hdl: TIIP1-AP
mnt-by: MAINT-TELIN-NET-SG
changed: freddi@telin.sg 20131104
source: APNIC

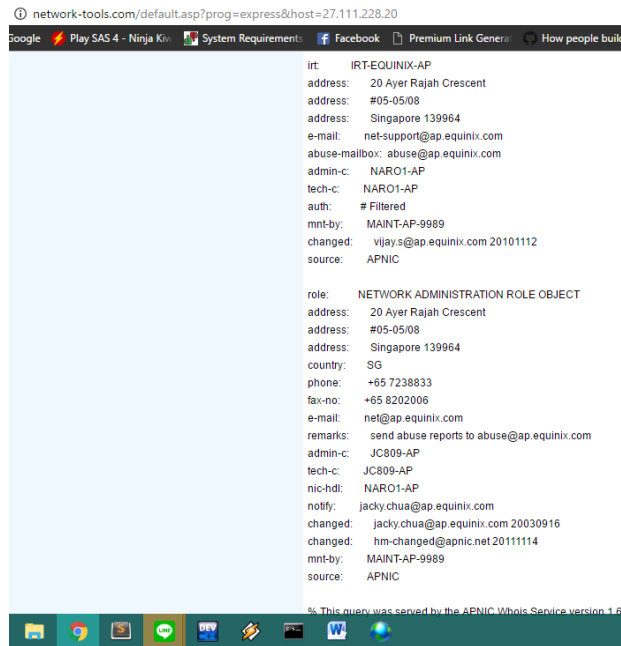
% Information related to '180.240.128.0/17AS56308'

route: 180.240.128.0/17
```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **180.240.193.158** merupakan IP yang dimiliki oleh TELLIN-NET-SG dengan nama pemilik TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD serta dibuat pada tanggal 30 April 2004 dan terakhir diperbarui tanggal 30 Juli 2010, untuk IP ini sendiri, terlihat bahwa IP addressnya belum teregistrasi kedalam database ARIN. ARIN atau APNIC (Asia Pacific Network Information Centre) merupakan database yang bisa dicari secara bebas yang berfungsi untuk mengetahui informasi akan kepemilikan IP address tersebut.

```
Domain Name: EQUINIX.COM
Registrar: CSC CORPORATE DOMAINS, INC.
Sponsoring Registrar IANA ID: 299
Whois Server: whois.corporatedomains.com
Referral URL: http://www.cscglobal.com/global/web/csc/digital-brand-services.html
Name Server: CH3LXNSAUTH01.EQUINIX.COM
Name Server: CH3LXNSAUTH02.EQUINIX.COM
Name Server: LD4NSAUTH01.EQUINIX.COM
Name Server: LD4NSAUTH02.EQUINIX.COM
Name Server: SG1NSAUTH01.EQUINIX.COM
Name Server: SG1NSAUTH02.EQUINIX.COM
Name Server: SV2LXNSAUTH01.EQUINIX.COM
Name Server: SV2LXNSAUTH02.EQUINIX.COM
Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
Updated Date: 18-aug-2014
Creation Date: 27-aug-1998
Expiration Date: 26-aug-2017

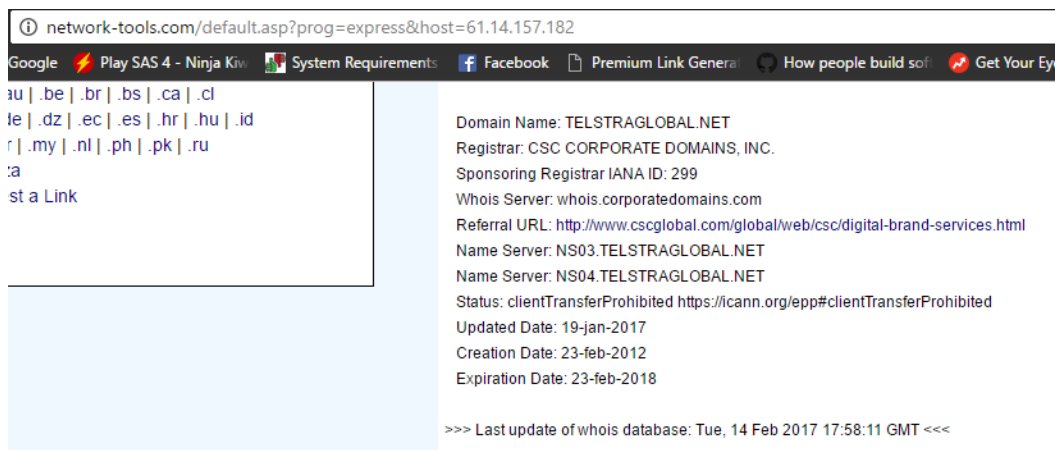
>>> Last update of whois database: Tue, 14 Feb 2017 17:59:40 GMT <<<
```

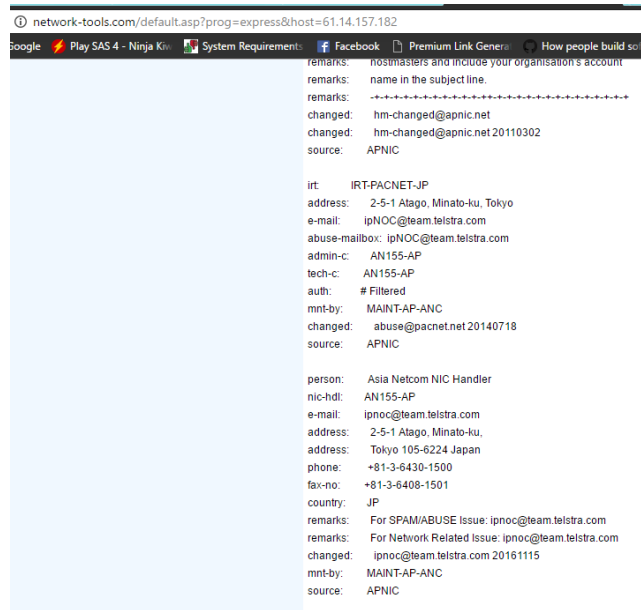


Berikutnya dari screenshot diatas, dapat diketahui bahwa IP **27.111.228.20** merupakan IP yang dimiliki oleh EQUINIX.COM yang dipegang oleh CSC CORPORATE DOMAINS.INC. EQUINIX.COM sendiri memiliki beberapa Server yang menunjang diantaranya adalah :

1. CH3LXNSAUTH01.EQUINIX.COM
2. CH3LXNSAUTH02.EQUINIX.COM
3. LD4NSAUTH01.EQUINIX.COM
4. LD4NSAUTH02.EQUINIX.COM
5. SG1NSAUTH01.EQUINIX.COM
6. SG1NSAUTH02.EQUINIX.COM
7. SV2LXNSAUTH01.EQUINIX.COM
8. SV2LXNSAUTH02.EQUINIX.COM

IP ini sendiri dibuat pada tanggal 27 agustus 1998 dan terakhir diperbarui tanggal 18 agustus 2014 Lalu akan berakhir pada tanggal 26 agustus 2017





Berikutnya dari screenshot diatas, dapat diketahui bahwa IP **61.14.157.182** merupakan IP yang dimiliki oleh TELSTRAGLOBAL.NET yang dimiliki oleh CSC CORPORATE DOMAINS.INC. TELSTRAGOLBAL.NET sendiri memiliki 2 server yang mendukung, diantaranya adalah :

1. NS03.TELSTRAGLOBAL.NET
2. NS04.TELSTRAGLOBAL.NET

IP ini dibuat pada tanggal 23 Januari 2012 dan terakhir diperbarui tanggal 19 Januari 2017. Lalu akan berakhir pada tanggal 23 Februari 2018.

network-tools.com  
 typing this site is available at NWTools.com

press  
 ng  
 ace

HOIS (ICN Conversion Tool)  
 NS Records (Advanced Tool)  
 Network Lookup  
 Spam Blacklist Check  
 FL Decode  
 FL Encode  
 FTP Headers  SSL  
 Mail Tests

Invert Base-10 to IP

databases direct links. IP addresses Whois:  
 as (ARIN)  
 RIPE  
 afnic (APNIC)  
 (AfriNIC)  
 America/Carib. (LACNIC)  
 Calculator  
 rars:  
 rk Solutions  
 Idy

Lookup failed: 151.101.8.68 No data  
 151.101.8.68 is from United States (US) in region North America

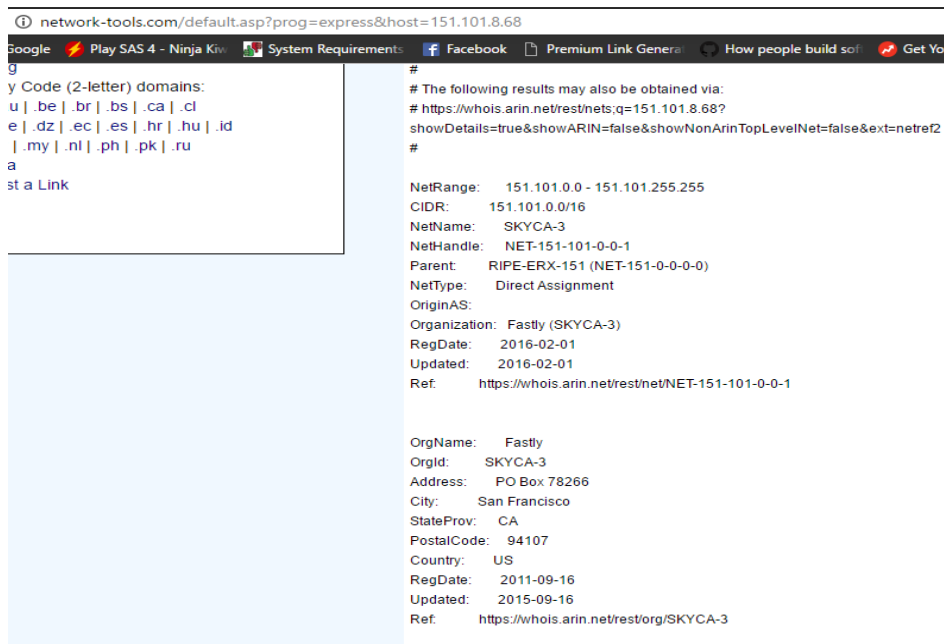
TraceRoute from Network-Tools.com to 151.101.8.68

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	2	0	1	206.123.64.153	-
2	0	0	0	206.123.64.158	-
3	1	1	1	129.250.202.253	xe-0-4-0-12.r01.dlilstx04.us.bb.gin.ntt.net
4	2	1	1	129.250.6.128	ae-2.r23.dlilstx09.us.bb.gin.ntt.net
5	40	40	40	129.250.4.154	ae-8.r23.snjsca04.us.bb.gin.ntt.net
6	42	40	40	129.250.2.182	ae-0.r22.snjsca04.us.bb.gin.ntt.net
7	206	206	224	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
8	208	208	208	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net
9	Timed out	Timed out	Timed out		-
10	211	211	211	151.101.8.68	-

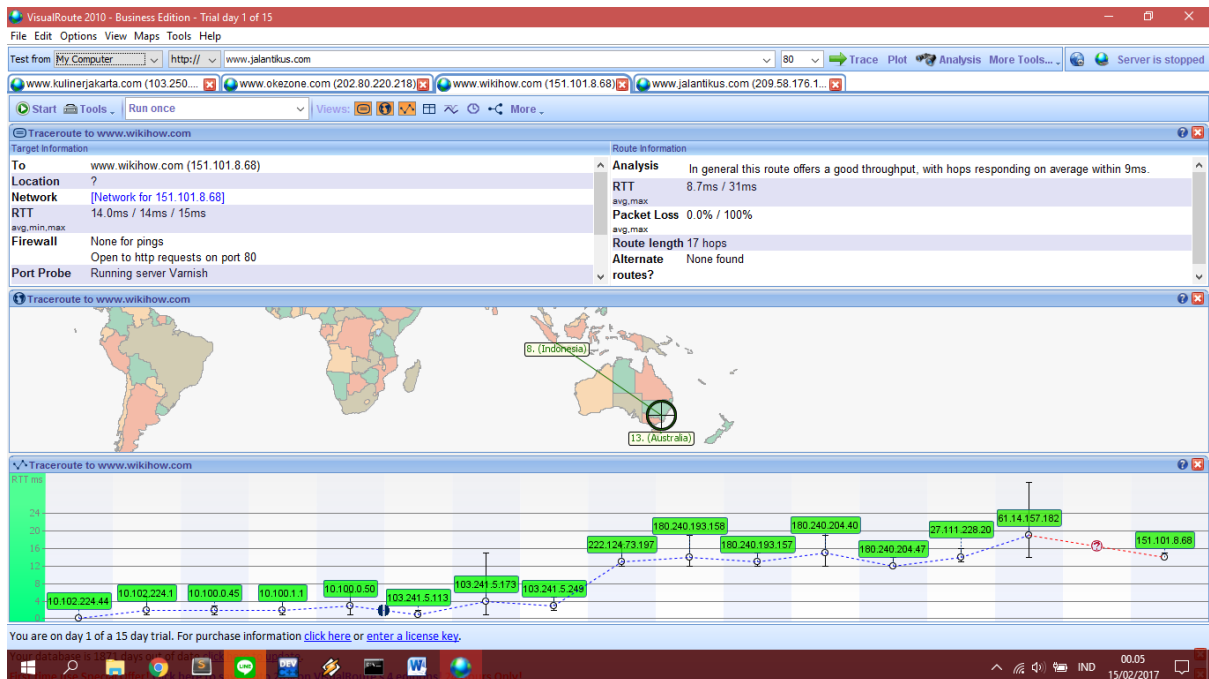
Trace complete

Network IP address lookup:  
 Whois query for 151.101.8.68...  
 Results returned from whois.arin.net

#  
 # ARIN WHOIS data and services are subject to the Terms of Use  
 # available at: https://www.arin.net/whois\_tou.html  
 #  
 # If you see inaccuracies in the results, please report at  
 # https://www.arin.net/public/whois/accuracy/index.html  
 #



Dari screenshot diatas, IP Address **151.101.8.68** tidak memiliki data namun berasal dari Amerika Serikat tepatnya di Amerika Utara. sesuai dengan screenshot diatas, IP ini memiliki organisasi bernama Fastly atau SKYCA-3. IP ini dibuat pada tanggal 01 february 2016 Lalu diperbarui dengan yang sama dengan pembuatannya.



## Kesimpulan :

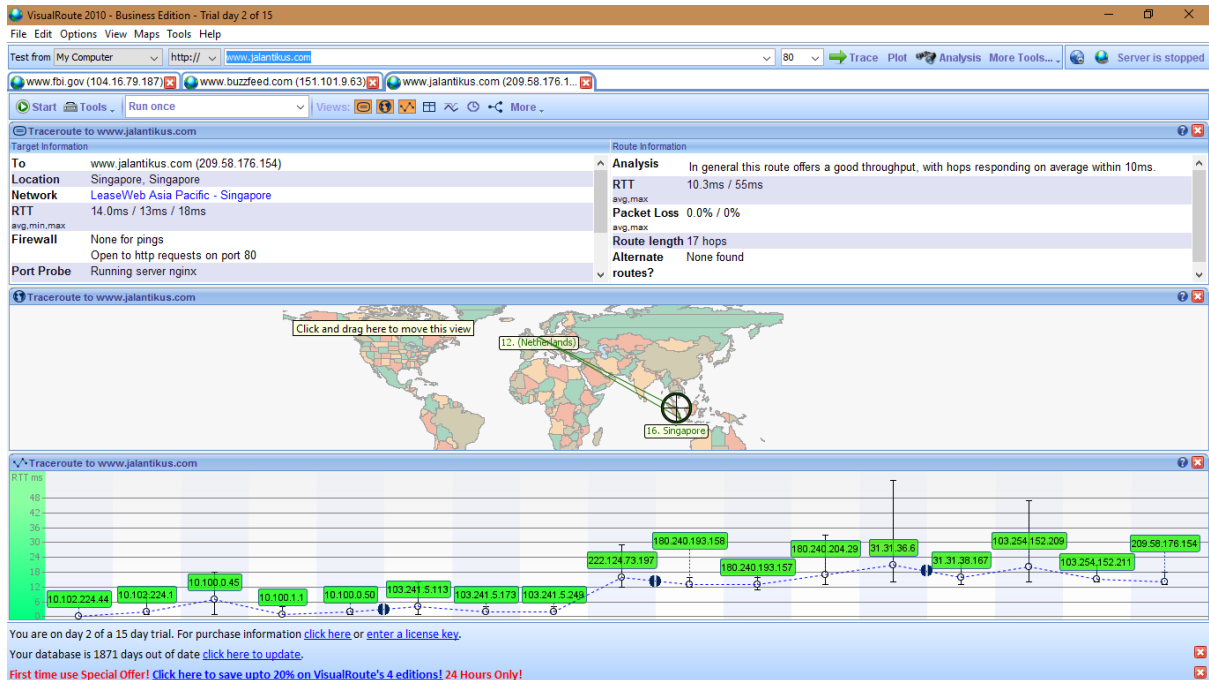
Kesimpulan yang didapatkan setelah menganalisa IP Address [www.wikihow.com](http://www.wikihow.com) dengan menggunakan jaringan internet **fasikom unsri** adalah bahwa IP ini membutuhkan 14 hops untuk mencapai destinasi dengan respon rata – rata 13 ms. 14 hops yang dilalui diantaranya adalah :

1. **10.0.0.0 – 10.255.255.255** = Merupakan IP Local



2. 103.241.5.113 - 222.124.73.197 = Merupakan IP Telkom
3. 180.240.193.158 – 180.240.204.47 = Merupakan IP TELLIN-NET-SG
4. 27.111.228.20 = Merupakan IP EQUINIX.COM
5. 61.14.157.182 = Merupakan IP TELSTRAGLOBAL.NET
6. 151.101.8.68 = Merupakan IP yang dimiliki oleh organisasi Fastly

## 2. www.jalantikus.com



Dari Hasil yang didapatkan setelah memasukkan alamat website [www.jalantikus.com](http://www.jalantikus.com) ternyata diperlukan 17 hops untuk mencapai destinasi yang diinginkan dengan respon rata – rata 10 ms.

```
C:\Users\User>tracert jalantikus.com

Tracing route to jalantikus.com [209.58.176.154]
over a maximum of 30 hops:
  0  1 ms    5 ms    1 ms    10.102.224.1
  1  4 ms    14 ms   2 ms    10.100.0.45
  2  1 ms    5 ms    2 ms    10.100.1.1
  3  3 ms    1 ms    24 ms   10.100.0.50
  4  3 ms    1 ms    3 ms    ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  2 ms    2 ms    2 ms    noc-id1.unsri.ac.id [103.241.5.173]
  6  2 ms    1 ms    4 ms    ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  18 ms   12 ms   12 ms   197.subnet222-124-73.p2p.telkon.net.id [222.124.73.197]
  8  15 ms   18 ms   12 ms   180.240.193.158
  9  21 ms   13 ms   12 ms   180.240.193.157
 10  13 ms   13 ms   13 ms   180.240.204.29
 11  81 ms   14 ms   14 ms   31.31.36.6
 12  15 ms   15 ms   32 ms   te-0-1-0-1.br02.sin-10.sg.leaseweb.net [31.31.38.167]
 13  16 ms   15 ms   14 ms   xe-1-2-0.cr01.sin-11.sg.leaseweb.net [103.254.152.209]
 14  18 ms   15 ms   17 ms   et-49.ce01.sin-11.sg.leaseweb.net [103.254.152.211]
 15  15 ms   14 ms   14 ms   209.58.176.154

Trace complete.

C:\Users\User>
```

Dari screenshot diatas, dapat dilihat bahwa hops yang ada hanya 17 (terdapat 1 hops local) terdapat 4 hops lokal dan 13 hops publik. Jaringan yang digunakan untuk menganalisis website ini adalah jaringan yang dimiliki oleh Fakultas Ilmu Komputer Universitas Sriwijaya

```
#
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets;q=10.102.224.44?
showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#

NetRange: 10.0.0.0 - 10.255.255.255
CIDR: 10.0.0.0/8
NetName: PRIVATE-ADDRESS-ABLK-RFC1918-IANA-RESERVED
NetHandle: NET-10-0-0-1
Parent: ()
NetType: IANA Special Use
OriginAS:
Organization: Internet Assigned Numbers Authority (IANA)
RegDate:
Updated: 2013-08-30
Comment: These addresses are in use by many millions of independently operated networks, which might be as small as a single computer connected to a home gateway, and are automatically configured in hundreds of millions of devices. They are only intended for use within a private context and traffic that needs to cross the Internet will need to use a different, unique address.
Comment:
```

Dari screenshot diatas dapat diketahui bahwa IP **10.0.0.0 – 10.255.255.255** merupakan IP lokal

network-tools.com/default.asp?prog=express&host=103.241.5.113

Results returned from whois.pandi.ac.id

Domain ID: PANDI-DO228145  
Domain Name: UNSRI.AC.ID  
Created On: 01-Sep-1999 13:32:27 UTC  
Last Updated On: 29-Oct-2016 13:57:03 UTC  
Expiration Date: 31-Oct-2017 23:59:59 UTC  
Status: clientTransferProhibited  
Status: serverTransferProhibited  
Registrant ID: candr12  
Registrant Name: Candra Setiawan  
Registrant Organization: Universitas Sriwijaya  
Registrant Street1: Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236 Pakjo  
Registrant Street2: Jl. Raya Palembang - Prabumulih Km. 32 Indralaya, OI, Sumatera Selatan  
Registrant City: Palembang  
Registrant State/Province: Sumatra Selatan  
Registrant Postal Code: 30138  
Registrant Country: ID  
Registrant Phone: +62.8194858899  
Registrant Email: jehan\_cs@yahoo.com  
Admin ID: 02candravd3fhd27  
Admin Name: Candra Setiawan  
Admin Organization: unsri  
Admin Street1: Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236  
Admin City: Palembang  
Admin State/Province: Palembang  
Admin Postal Code: 30138  
Admin Country: ID  
Admin Phone: +00.00000000  
Admin FAX: +00.00000000  
Admin Email: jehan\_cs@yahoo.com  
Tech ID: 02candravd3fhd27  
Tech Name: Candra Setiawan  
Tech Organization: unsri  
Tech Street1: Jl. Inspektur Marzuki RT. 01/09 Lrg. Damai I No. 2236

Lalu dari screenshot diatas, dapat diketahui bahwa IP Address **103.241.5.113** merupakan IP yang dimiliki oleh unsri.ac.id dengan nama pemilik Candra Setiawan serta dibuat pada tanggal 01 september 1999 jam 13.32.27 dan terakhir diperbarui tanggal 29 Oktober 2016 jam 13.57.03 Lalu akan berakhir pada tanggal 31 Oktober 2017 jam 23.59.59

```
Domain ID: ANPDC0173052
Domain Name: TELKOM.NET.ID
Created On: 14-May-1996 13:29:50 UTC
Last Updated On: 17-Oct-2016 00:13:52 UTC
Expiration Date: 01-Sep-2018 23:59:59 UTC
Status: ok
Registrant ID: itdm1
Registrant Name: IDC Telkom Divisi Multimedia
Registrant Organization: Telkom Divisi Multimedia
Registrant Street1: Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -
Registrant City: Jakarta Pusat
Registrant State/Province: DKI Jakarta
Registrant Postal Code: 10340
Registrant Country: ID
Registrant Phone:
Registrant Email: idc@telkom.co.id
Admin ID: phunt1
Admin Name:
Admin Postal Code:
Admin Country:
Admin Phone:
Admin Email: phunta@telkom.net.id
Tech ID: itdm1
Tech Name: IDC Telkom Divisi Multimedia
Tech Organization: Telkom Divisi Multimedia
Tech Street1: Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -
Tech City: Jakarta Pusat
Tech State/Province: DKI Jakarta
Tech Postal Code: 10340
Tech Country: ID
Tech Phone:
Tech Email: idc@telkom.co.id
```

```
person: Addy Kurnia Komara
nic-hdl: AK289-AP
e-mail: addy@telkom.co.id
address: PT Telkom DIVRE II
address: Gedung Grha Citra Caraka
address: Jl Jend Gatot Subroto Kav 52
address: Jakarta
phone: +62-21-70782339
fax-no: +62-21-5212002
country: ID
changed: hostmaster@telkom.net.id 20060217
mnt-by: MAINT-TELKOMNET
source: APNIC

person: Dudy Solehuddin
nic-hdl: DS472-AP
e-mail: dudy.s@telkom.co.id
address: PT Telkom DIVRE II
address: Gedung Grha Citra Caraka
address: Jl Jend Gatot Subroto Kav 52
address: JAKARTA
phone: +62 21 5211936
fax-no: +62 21 5212022
country: ID
changed: hostmaster@telkom.net.id 20060116
mnt-by: MAINT-TELKOMNET
source: APNIC

% Information related to '222.124.72.0/23AS17974'
route: 222.124.72.0/23
```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **222.124.73.197** merupakan IP yang dimiliki oleh Telkom.net.id dengan nama pemilik Addy Kurnia Komara dan Dudy Solehuddin serta dibuat pada tanggal 14 Mei 1996 jam 13.29.50 dan terakhir diperbarui tanggal 17 Oktober 2016 jam 00.13.52 Lalu akan berakhir pada tanggal 01 Oktober 2018 jam 23.59.59

network-tools.com/default.asp?prog=express&host=180.240.193.158

NetRange: 180.0.0.0 - 180.255.255.255  
 CIDR: 180.0.0/8  
 NetName: APNIC-180  
 NetHandle: NET-180-0-0-1  
 Parent: ()  
 NetType: Allocated to APNIC  
 OriginAS:  
 Organization: Asia Pacific Network Information Centre (APNIC)  
 RegDate: 2009-04-30  
 Updated: 2010-07-30  
 Comment: This IP address range is not registered in the ARIN database.  
 Comment: For details, refer to the APNIC Whois Database via  
 Comment: WHOIS.APNIC.NET or http://wq.apnic.net/apnic-bin/whois.pl  
 Comment: \*\* IMPORTANT NOTE: APNIC is the Regional Internet Registry  
 Comment: for the Asia Pacific region. APNIC does not operate networks  
 Comment: using this IP address range and is not able to investigate  
 Comment: spam or abuse reports relating to these addresses. For more  
 Comment: help, refer to http://www.apnic.net/apnic-info/whois\_search2/abuse-and-spamming  
 Ref: https://whois.arin.net/rest/net/NET-180-0-0-1

ResourceLink: http://wq.apnic.net/whois-search/static/search.html  
 ResourceLink: whois.apnic.net

OrgName: Asia Pacific Network Information Centre  
 OrgId: APNIC  
 Address: PO Box 3646  
 City: South Brisbane  
 StateProv: QLD  
 PostalCode: 4101  
 Country: AU  
 RegDate:  
 Updated: 2012-01-24  
 Ref: https://whois.arin.net/rest/org/APNIC

network-tools.com/default.asp?prog=express&host=180.240.193.158

remarks: To report network abuse, please contact mnt-irt  
 remarks: For troubleshooting, please contact tech-c and admin-c  
 remarks: Report invalid contact via www.apnic.net/invalidcontact  
 remarks: -----  
 changed: hm-changed@apnic.net 20110831  
 source: APNIC

irt: IRT-TELIN-NET-SG  
 address: 30 CHANGI NORTH WAY SINGAPORE  
 e-mail: abuse@telin.sg  
 abuse-mailbox: abuse@telin.sg  
 admin-c: TIIP1-AP  
 tech-c: TIIP1-AP  
 auth: # Filtered  
 mnt-by: MAINT-TELIN-NET-SG  
 changed: ryan.chiew@telin.sg 20150820  
 source: APNIC

role: TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD  
 address: 30 CHANGI NORTH WAY SINGAPORE  
 country: SG  
 phone: +65 6542-1930  
 fax-no: +65 6542-9169  
 e-mail: support@telin.sg  
 admin-c: TIIP1-AP  
 tech-c: TIIP1-AP  
 nic-hdl: TIIP1-AP  
 mnt-by: MAINT-TELIN-NET-SG  
 changed: freddi@telin.sg 20131104  
 source: APNIC

% Information related to '180.240.128.0/17AS56308'  
 route: 180.240.128.0/17

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **180.240.193.158** merupakan IP yang dimiliki oleh TELLIN-NET-SG dengan nama pemilik TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD serta dibuat pada tanggal 30 April 2004 dan terakhir diperbarui tanggal 30 Juli 2010, untuk IP ini sendiri, terlihat bahwa IP addressnya belum teregistrasi kedalam database ARIN. ARIN atau APNIC (Asia Pacific Network Information Centre) merupakan database yang bisa dicari secara bebas yang berfungsi untuk mengetahui informasi akan kepemilikan IP address tersebut.

```
network-tools.com/default.asp?prog=express&host=31.31.36.6
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets;q=31.31.36.6?
showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#
NetRange: 31.0.0.0 - 31.255.255.255
CIDR: 31.0.0/8
NetName: RIPE-31
NetHandle: NET-31-0-0-1
Parent: ()
NetType: Allocated to RIPE NCC
OriginAS:
Organization: RIPE Network Coordination Centre (RIPE)
RegDate:
Updated: 2010-05-18
Comment: These addresses have been further assigned to users in
Comment: the RIPE NCC region. Contact information can be found in
Comment: the RIPE database at http://www.ripe.net/whois
Ref: https://whois.arin.net/rest/net/NET-31-0-0-1

ResourceLink: https://apps.db.ripe.net/search/query.html
ResourceLink: whois.ripe.net

OrgName: RIPE Network Coordination Centre
OrgId: RIPE
Address: P.O. Box 10096
City: Amsterdam
StateProv:
PostalCode: 1001EB
Country: NL
RegDate:
Updated: 2013-07-29
Ref: https://whois.arin.net/rest/org/RIPE
```

```
network-tools.com/default.asp?prog=express&host=31.31.36.6
organisation: ORG-FB8-RIPE
org-name: LeaseWeb Network B.V.
org-type: LIR
address: Postbus 23136
address: 1100DP
address: Amsterdam
address: NETHERLANDS
phone: +31 20 4860500
fax-no: +31 20 4889458
e-mail: info@fiberring.com
abuse-c: AR16174-RIPE
mnt-ref: RIPE-NCC-HM-MNT
mnt-ref: FBX-MNT
mnt-by: RIPE-NCC-HM-MNT
admin-c: SPW1-RIPE
admin-c: fbx1-ripe
created: 2005-11-03T06:11:21Z
last-modified: 2015-09-30T15:36:22Z
source: RIPE

person: Emir pan
address: Luttenbergweg 8
address: 1101EC Amsterdam
address: The Netherlands
phone: +31 20 316 5166
nic-hdl: FBX1-RIPE
abuse-mailbox: abuse@fiberring.com
created: 2005-11-04T11:13:08Z
last-modified: 2015-09-24T13:09:30Z
source: RIPE
mnt-by: FBX-MNT

% Information related to '31.31.32.0/21AS16265'
```

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **31.31.36.6** merupakan IP yang dimiliki oleh RIPE Network Coordination Centre (RIPE) dengan nama pemilik Emir pan.

network-tools.com/default.asp?prog=express&host=103.254.152.209

Google Play SAS 4 - Ninja Kri System Requirements Facebook Premium Link Genera How people build soft Get Your

g  
y Code (2-letter) domains:  
u | .be | .br | .bs | .ca | .cl  
le | .dz | .ec | .es | .hr | .hu | .id  
' | .my | .nl | .ph | .pk | .ru  
a  
st a Link

Domain Name: LEASEWEB.NET  
Registrar: KEY-SYSTEMS GMBH  
Sponsoring Registrar IANA ID: 269  
Whois Server: whois.rpproxy.net  
Referral URL: http://www.key-systems.net  
Name Server: NS1.LEASEWEB.NL  
Name Server: NS4.LEASEWEB.NET  
Name Server: NS5.LEASEWEB.NL  
Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited  
Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited  
Updated Date: 21-dec-2016  
Creation Date: 20-dec-1999  
Expiration Date: 20-dec-2017

>>> Last update of whois database: Wed, 15 Feb 2017 04:00:02 GMT <<<

For more information on Whois status codes, please visit <https://icann.org/epp>

NOTICE: The expiration date displayed in this record is the date the registrar's sponsorship of the domain name registration in the registry is currently set to expire. This date does not necessarily reflect the expiration date of the domain name registrant's agreement with the sponsoring registrar. Users may consult the sponsoring registrar's Whois database to view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois database through the use of electronic processes that are high-volume and automated except as reasonably necessary to register domain names or modify existing registrations; the Data in VeriSign Global Registry Services' ("VeriSign") Whois database is provided by VeriSign for information purposes only, and to assist persons in obtaining information about or related to a domain name registration record. VeriSign does not guarantee its accuracy. By submitting a Whois query, you agree to abide

network-tools.com/default.asp?prog=express&host=103.254.152.209

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Admin Postal Code: 1101 EC  
Admin Country: NL  
Admin Phone: +31.0203162899  
Admin Phone Ext:  
Admin Fax: +31.0203162898  
Admin Fax Ext:  
Admin Email: domains@ip.ocom.com  
Registry Tech ID: Not Available From Registry  
Tech Name: Luke Simon Walker  
Tech Organization: LeaseWeb Global Services B.V.  
Tech Street: Luttenbergweg 8  
Tech City: Amsterdam  
Tech Postal Code: 1101 EC  
Tech State/Province: Noord Holland  
Tech Country: NL  
Tech Phone: +31.203160230  
Tech Phone Ext:  
Tech Fax:  
Tech Fax Ext:  
Tech Email: technical@leaseweb.com  
Registry Billing ID: Not Available From Registry  
Billing Name: Luke Simon Walker  
Billing Organization: LeaseWeb Global Services B.V.  
Billing Street: Luttenbergweg 8  
Billing City: Amsterdam  
Billing State/Province: Noord Holland  
Billing Postal Code: 1101 EC  
Billing Country: NL  
Billing Phone: +31.203160230  
Billing Phone Ext:  
Billing Fax:  
Billing Fax Ext:

Kemudian dari screenshot diatas, dapat diketahui bahwa IP **103.254.152.209** merupakan IP yang dimiliki oleh LEASEWEB.NET dengan nama pemilik Luke Simon Walker serta dibuat pada tanggal 20 Desember 1999 dan terakhir diperbarui tanggal 21 Desember 2016 serta akan berakhir tanggal 20 Desember 2017.

```
network-tools.com/default.asp?prog=express&host=209.58.176.154
Results returned from whois.apnic.net:
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '209.58.176.0 - 209.58.183.255'

inetnum: 209.58.176.0 - 209.58.183.255
netname: LSW-SIN-11
descr: LeaseWeb Asia Pacific - Singapore
descr: Please send all abuse notifications to the following email address: abuse@sg.leaseweb.com. To ensure proper
processing of your abuse notification, please visit the website www.leaseweb.com/abuse for notification requirements. All
police and other government agency requests must be sent to subpoena@sg.leaseweb.com.
country: SG
admin-c: LA249-AP
tech-c: LA249-AP
status: ALLOCATED NON-PORTABLE
mnt-by: MAINT-LSW-SG
mnt-irt: IRT-LSW-SG
changed: apnic@network.leaseweb.com 20160727
source: APNIC

irt: IRT-LSW-SG
address: 18B Keong Saik Road, Singapore 089125
e-mail: apnic@sg.leaseweb.com
abuse-mailbox: abuse@sg.leaseweb.com
admin-c: LAPP1-AP
tech-c: LAPP1-AP
auth: # Filtered
mnt-by: MAINT-LSW-SG
changed: noc@leaseweb.com 20140917
```

```
network-tools.com/default.asp?prog=express&host=209.58.176.154
Results returned from whois.apnic.net:
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '209.58.176.0 - 209.58.176.255'

inetnum: 209.58.176.0 - 209.58.176.255
netname: LSW-APNIC
descr: LeaseWeb Asia Pacific - Singapore
descr: Please send all abuse notifications to the following email address: abuse@sg.leaseweb.com. To ensure proper
processing of your abuse notification, please visit the website www.leaseweb.com/abuse for notification requirements. All
police and other government agency requests must be sent to subpoena@sg.leaseweb.com.
country: SG
admin-c: LA249-AP
tech-c: LA249-AP
status: ALLOCATED NON-PORTABLE
mnt-by: MAINT-LSW-SG
mnt-irt: IRT-LSW-SG
changed: apnic@network.leaseweb.com 20160727
source: APNIC

irt: IRT-LSW-SG
address: 18B Keong Saik Road, Singapore 089125
e-mail: apnic@sg.leaseweb.com
abuse-mailbox: abuse@sg.leaseweb.com
admin-c: LAPP1-AP
tech-c: LAPP1-AP
auth: # Filtered
mnt-by: MAINT-LSW-SG
changed: noc@leaseweb.com 20140917
source: APNIC

person: LSW Apnic
address: 18B Keong Saik Road, Singapore 089125
country: SG
phone: +6531587350
e-mail: apnic@sg.leaseweb.com
nic-hdl: LA249-AP
mnt-by: MAINT-LSW-SG
changed: apnic@sg.leaseweb.com 20160606
source: APNIC
```

lalu dari screenshot diatas, dapat diketahui bahwa IP **209.58.176.154** merupakan IP yang dimiliki oleh LeaseWeb Asia Pacific dengan nama pemilik LSW APNIC serta dibuat pada tanggal 18 September 2015 dan terakhir diperbarui tanggal 18 September 2015.

## **Kesimpulan :**

Kesimpulan yang didapatkan setelah menganalisa IP Address [www.jalantikus.com](http://www.jalantikus.com) dengan menggunakan jaringan internet **fasikom unsri** adalah bahwa IP ini membutuhkan 17 hops untuk mencapai destinasi dengan respon rata – rata 10 ms. 17 hops yang dilalui diantaranya adalah :

1. **10.0.0.0 – 10.255.255.255** = Merupakan IP Local
2. **103.241.5.113 - 222.124.73.197** = Merupakan IP Telkom
3. **180.240.193.158 – 180.240.204.29** = Merupakan IP TELLIN-NET-SG
4. **31.31.36.6 – 31.31.38.167** = Merupakan IP RIPE Network Coordination Centre (RIPE)
5. **103.254.152.209 – 103.254.152.211** = Merupakan IP LEASEWEB.NET
6. **209.58.176.154** = Merupakan IP LeaseWeb Asia Pasific.