

# LAPORAN KOMUNIKASI DATA



DISUSUN OLEH :

NAMA : AHMAD ILHAM ARISMAWAN

NIM : (09011381621064)

SISTEM KOMPUTER

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

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# 1. Men-tracert website indonesia menggunakan wifi UNSRI-TRIAL Jumlah hop=10

```
Command Prompt
C:\Users\Iham>tracert viva.co.id
Tracing route to viva.co.id [202.129.216.26]
over a maximum of 30 hops:
  0  107 ms  107 ms  107 ms  10.0.40.254
  1  106 ms  107 ms  106 ms  ip-103-208-137-249.unsri.ac.id [103.208.137.249]
  2  148 ms  147 ms  123 ms  114-4-101-29.resources.indosat.com [114.4.101.29]
  3  * * * Request timed out.
  4  139 ms  149 ms  149 ms  114-0-78-88.resources.indosat.com [114.0.78.88]
  5  149 ms  149 ms  150 ms  114-4-19-137.resources.indosat.com [114.4.19.137]
  6  148 ms  137 ms  150 ms  9505.sgw.equinix.com [27.111.228.63]
  7  149 ms  150 ms  149 ms  150-61-41-175.TWGATE-IP.twgate.net [175.41.61.150]
  8  150 ms  149 ms  147 ms  viva.openixp.net [218.100.27.86]
  9  149 ms  149 ms  148 ms  www.vivanews.com [202.129.216.26]
 10
Trace complete.
C:\Users\Iham>
```

# 2. Men-tracert website luar negeri menggunakan wifi UNSRI-TRIAL Jumlah hop=17

```
Command Prompt
C:\Users\Iham>tracert yahoo.co.jp
Tracing route to yahoo.co.jp [183.79.135.206]
over a maximum of 30 hops:
  0   3 ms   2 ms   3 ms  10.0.40.254
  1  108 ms  106 ms  104 ms  ip-103-208-137-249.unsri.ac.id [103.208.137.249]
  2  147 ms  147 ms  125 ms  114-4-101-29.resources.indosat.com [114.4.101.29]
  3  * * * Request timed out.
  4  150 ms  36 ms  44 ms  114-0-78-86.resources.indosat.com [114.0.78.86]
  5  367 ms  304 ms  304 ms  114-0-78-102.resources.indosat.com [114.0.78.102]
  6  300 ms  366 ms  407 ms  30GigabitEthernet2-1.corel.paol.he.net [198.32.176.20]
  7  375 ms  407 ms  348 ms  100pe9-2.corel.sjc2.he.net [72.52.92.157]
  8  349 ms  372 ms  407 ms  softbank-bb-corp.switch1.sjc2.he.net [65.19.151.26]
  9  * * * Request timed out.
 10  * * * Request timed out.
 11  239 ms  335 ms  407 ms  61.206.157.74
 12  394 ms  407 ms  407 ms  124.83.228.197
 13  398 ms  402 ms  406 ms  124.83.228.74
 14  357 ms  408 ms  317 ms  124.83.252.242
 15  * * * Request timed out.
 16  366 ms  405 ms  409 ms  114.111.65.154
 17  399 ms  407 ms  407 ms  fl.top.vip.kks.yahoo.co.jp [183.79.135.206]
Trace complete.
C:\Users\Iham>
```

3. Men-tracert website indonesia menggunakan hotspot pribadi (provider kartu tri)  
Jumlah hop=9

```
Command Prompt
C:\Users\Ilham>tracert viva.co.id
Tracing route to viva.co.id [202.129.216.26]
over a maximum of 30 hops:
  0  1 ms  1 ms  1 ms  192.168.43.1
  1  *    *    *    Request timed out.
  2  *    *    *    Request timed out.
  3  *    *    *    Request timed out.
  4  *    *    *    Request timed out.
  5  *    *    *    Request timed out.
  6  *    *    *    Request timed out.
  7  *    *    *    Request timed out.
  8  *    *    *    Request timed out.
  9  62 ms 415 ms 68 ms www.vivanews.com [202.129.216.26]
Trace complete.
C:\Users\Ilham>
```

4. Men-tracert website luar negeri menggunakan hotspot pribadi(provider kartu tri)  
Jumlah hop=19

```
Command Prompt
C:\Users\Ilham>tracert yahoo.co.jp
Tracing route to yahoo.co.jp [183.79.135.206]
over a maximum of 30 hops:
  0  4 ms  3 ms  3 ms  192.168.43.1
  1  *    *    *    Request timed out.
  2  *    *    *    Request timed out.
  3  *    *    *    Request timed out.
  4  *    *    *    Request timed out.
  5  *    *    *    Request timed out.
  6  *    *    *    Request timed out.
  7  *    *    *    Request timed out.
  8  *    *    *    Request timed out.
  9  *    *    *    Request timed out.
 10  *    *    *    Request timed out.
 11  *    *    *    Request timed out.
 12  *    *    *    Request timed out.
 13  *    *    *    Request timed out.
 14  *    *    *    Request timed out.
 15  *    *    *    Request timed out.
 16  *    *    *    Request timed out.
 17  *    *    *    Request timed out.
 18  *    *    *    Request timed out.
 19 155 ms 159 ms 157 ms fl.top.vip.kks.yahoo.co.jp [183.79.135.206]
Trace complete.
C:\Users\Ilham>
```

## Kesimpulan

1. Bahwa hop website dalam negeri lebih sedikit dibandingkan dengan website luar negeri, Terlihat bahwa hop dari website yahoo.co.jp (jepang) hopnya lebih banyak daripada website viva.co.id , meskipun dengan jaringan(provider) yang berbeda dan jumlahnya berbeda namun jika dibandingkan dengan website dalam negeri jumlah hopnya akan lebih banyak dari luar negeri.
2. Bahwa berbedanya jaringan (provider) juga turut mempengaruhi jumlah hop yang terjadi
3. Bahwa semakin sedikit jumlah hop yang ada maka akan semakin bagus/semakin lancar