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MK : KOMUNKASI DATA

TUGAS : Melakukan *tracert* di Beberapa Web dengan Cara yang Berbeda

## 1. Menggunakan WIFI @UNSRI-TRIAL

### a) Website dalam negeri unsri.ac.id

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\padhli.padhli-PC>tracert unsri.ac.id
'tracert' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\padhli.padhli-PC>
C:\Users\padhli.padhli-PC>tracert unsri.ac.id

Tracing route to unsri.ac.id [103.241.4.11]
over a maximum of 30 hops:
  0  115 ms  103 ms  12 ms  10.0.44.254
  1  147 ms  24 ms  30 ms  ip-103-208-137-249.unsri.ac.id [103.208.137.249]
  2  403 ms  124 ms  24 ms  ip-103-241-5-237.unsri.ac.id [103.241.5.237]
  3  37 ms  10 ms  383 ms  ns1.unsri.ac.id [103.241.4.11]

Trace complete.

C:\Users\padhli.padhli-PC>
```

### b) Website luar negeri bbc.co.uk

```
C:\Windows\system32\cmd.exe
Trace complete.

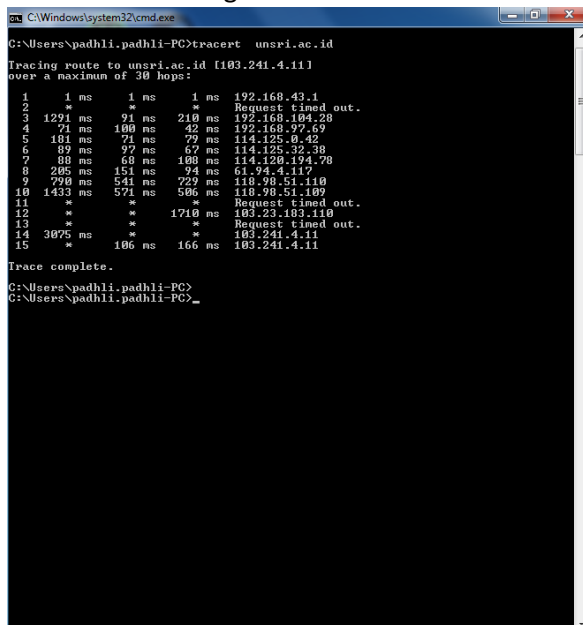
C:\Users\padhli.padhli-PC>tracert bbc.co.uk

Tracing route to bbc.co.uk [151.101.128.81]
over a maximum of 30 hops:
  0   4 ms   3 ms  12 ms  10.0.44.254
  1   3 ms   3 ms   7 ms  ip-103-208-137-249.unsri.ac.id [103.208.137.249]
  2  24 ms  24 ms  50 ms  ip-179-53.moratelindo.co.id [202.43.179.53]
  3  17 ms  18 ms  15 ms  103.66.199.9
  4  16 ms  16 ms  19 ms  xe-0-0-0-5.r01.sngpsi03.sg.bb.gin.ntt.net [116.51.26.165]
  5  17 ms  16 ms  16 ms  ae-8.r20.sngpsi07.sg.bb.gin.ntt.net [129.250.4.174]
  6  21 ms  19 ms  17 ms  ae-7.r20.sngpsi05.sg.bb.gin.ntt.net [129.250.4.33]
  7  51 ms  32 ms  82 ms  ae-2.r00.sngpsi02.sg.bb.gin.ntt.net [129.250.3.147]
  8  17 ms  19 ms  44 ms  ae-0.fastly.sngpsi02.sg.bb.gin.ntt.net [116.51.27.110]
  9  34 ms  15 ms  20 ms  151.101.128.81

Trace complete.

C:\Users\padhli.padhli-PC>
C:\Users\padhli.padhli-PC>
```

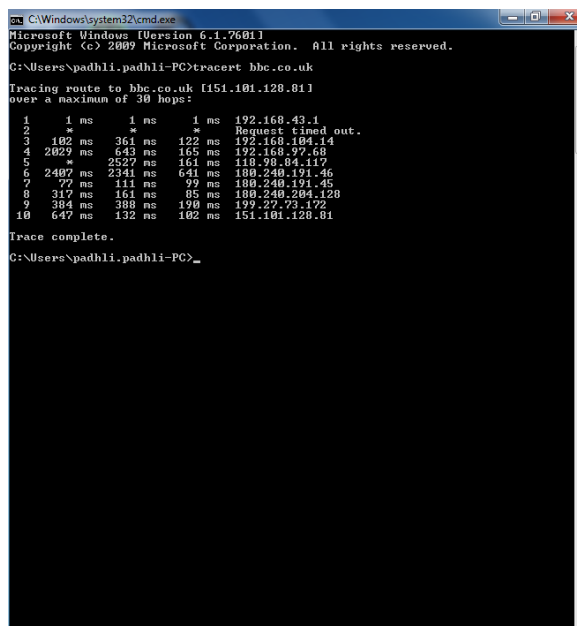
2. Menggunakan HOTSPOT pribadi  
a) Website dalam negeri unsri.ac.id



```
C:\Windows\system32\cmd.exe
C:\Users\padhli.padhli-PC>tracert unsri.ac.id
Tracing route to unsri.ac.id [103.241.4.11]
over a maximum of 30 hops:
 0  1 ms    1 ms    1 ms    192.168.43.1
 1  *      *      *      Request timed out.
 2  1291 ms  91 ms   210 ms  192.168.104.28
 3  71 ms   100 ms  42 ms   192.168.97.69
 4  181 ms  71 ms   79 ms   114.125.8.42
 5  89 ms   97 ms   67 ms   114.125.32.38
 6  80 ms   60 ms   100 ms  114.120.194.78
 7  205 ms  151 ms  94 ms   61.94.4.117
 8  790 ms  541 ms  729 ms  118.98.51.110
 9  1433 ms 571 ms  506 ms  118.98.51.109
10  *      *      *      Request timed out.
11  *      *      *      Request timed out.
12  *      *      *      1710 ms 103.23.103.110
13  *      *      *      Request timed out.
14  3075 ms *      *      103.241.4.11
15  *      *      *      106 ms  166 ms  103.241.4.11

Trace complete.
C:\Users\padhli.padhli-PC>
C:\Users\padhli.padhli-PC>
```

- b) Website luar negeri bbc.co.uk



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\padhli.padhli-PC>tracert bbc.co.uk
Tracing route to bbc.co.uk [151.101.128.81]
over a maximum of 30 hops:
 0  1 ms    1 ms    1 ms    192.168.43.1
 1  *      *      *      Request timed out.
 2  102 ms  361 ms  122 ms  192.168.104.14
 3  2029 ms 643 ms  165 ms  192.168.97.68
 4  *      2527 ms 161 ms  118.98.84.117
 5  2407 ms 2341 ms 641 ms  180.240.191.46
 6  97 ms   111 ms  99 ms   180.240.191.45
 7  317 ms  161 ms  85 ms   180.240.204.128
 8  304 ms  388 ms  198 ms  197.27.73.192
 9  647 ms  132 ms  102 ms  151.101.128.81

Trace complete.
C:\Users\padhli.padhli-PC>
```

Kesimpulan :

Perbandingannya terdapat pada hops. Hops adalah penghubung antara satu route ke route yang lain. Semakin banyak hops maka semakin banyak lag. Semakin sedikit hops maka semakin sedikit lag