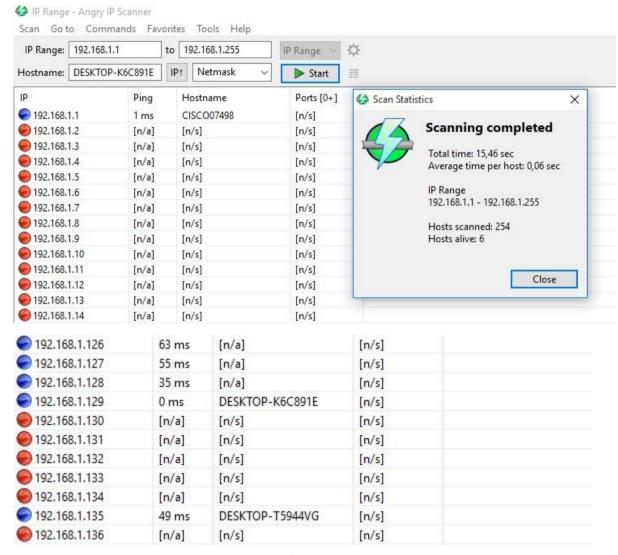
MODUL 2

SCANNING

Berlian Edra / L200164013

1. Tugas Percobaan 1 (Mencari komputer yang hidup/aktif dengan Program Angry IP Scanner)



Tugas Percobaan 2 (Mencari Port yang Terbuka) Website UMS

```
C:\Users\Asus-X453S>nslookup www.ums.ac.id
 Server: UnKnown
 Address: 10.1.1.17
Non-authoritative answer:
 Name: www.ums.ac.id
 Address: 103.226.174.220
 C:\Users\Asus-X453S>nmap -sS 103.226.174.220
 Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:53 SE Asia Standard Time
Nmap scan report for 103.226.174.220
Host is up (0.096s latency).
Not shown: 983 filtered ports
          STATE SERVICE
PORT
20/tcp closed ftp-data
 21/tcp open ftp
          open ssh
open domain
open http
 22/tcp
 53/tcp
 80/tcp
161/tcp closed snmp
443/tcp open https
465/tcp closed smtps
587/tcp closed submission
 3306/tcp open mysql
8080/tcp closed http-proxy
8081/tcp closed blackice-icecap
 50000/tcp closed ibm-db2
 50001/tcp closed unknown
 50002/tcp closed iiimsf
 50003/tcp closed unknown
 50006/tcp closed unknown
Nmap done: 1 IP address (1 host up) scanned in 24.98 seconds
C:\Users\Asus-X453S>nmap -sT 103.226.174.220
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:58 SE Asia Standard Time
Nmap scan report for 103.226.174.220
Host is up (0.000077s latency).
Not shown: 985 filtered ports
        STATE SERVICE
PORT
21/tcp open ftp
22/tcp open ssh
25/tcp open smtp
53/tcp open domain
80/tcp open http
110/tcp open pop3
119/tcp open nntp
143/tcp open imap
443/tcp open https
465/tcp open smtps
563/tcp open snews
```

587/tcp open submission 993/tcp open imaps 995/tcp open pop3s 3306/tcp open mysql

Nmap done: 1 IP address (1 host up) scanned in 51.00 seconds

```
C:\Users\Asus-X453S>nslookup www.detik.com
Server: UnKnown
Address: 10.1.1.17
Non-authoritative answer:
Name: detik.com
Addresses: 203.190.242.211
           103.49.221.211
Aliases: www.detik.com
C:\Users\Asus-X453S>nmap -sS 203.190.242.211
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:52 SE Asia Standard Time
Nmap scan report for s2-211-242.190.203.detik.com (203.190.242.211)
Host is up (0.019s latency).
Not shown: 995 closed ports
PORT
       STATE SERVICE
80/tcp open http
443/tcp open https
1720/tcp filtered h323q931
5666/tcp open nrpe
5678/tcp filtered rrac
Nmap done: 1 IP address (1 host up) scanned in 16.69 seconds
C:\Users\Asus-X453S>nmap -sT 203.190.242.211
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:59 SE Asia Standard Time
Nmap scan report for s2-211-242.190.203.detik.com (203.190.242.211)
Host is up (1.2s latency).
Not shown: 986 closed ports
         STATE
PORT
                    SERVICE
25/tcp open
                     smtp
80/tcp
          open
                     http
80/tcp open http
110/tcp open pop3
119/tcp open nntp
143/tcp open imap
443/tcp open https
465/tcp open smtps
563/tcp open snews
587/tcp open submis
993/tcp open imaps
995/tcp open pop3s
                     submission
1720/tcp filtered h323q931
5666/tcp open
                   nrpe
```

5678/tcp filtered rrac

Nmap done: 1 IP address (1 host up) scanned in 300.98 seconds

Website female.com

```
C:\Users\Asus-X453S>nslookup www.female.com
Server: UnKnown
Address: 10.1.1.17
Non-authoritative answer:
Name: www.female.com
Addresses: 146.112.61.106
         146.112.61.106
C:\Users\Asus-X453S>nmap -sS 146.112.61.106
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:56 SE Asia Standard Time
Nmap scan report for hit-adult.opendns.com (146.112.61.106)
Host is up (0.096s latency).
Not shown: 998 filtered ports
PORT
      STATE SERVICE
80/tcp open http
443/tcp open https
Nmap done: 1 IP address (1 host up) scanned in 20.76 seconds
```

```
C:\Users\Asus-X453S>nmap -sT 146.112.61.106
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:02 SE Asia Standard Time
Nmap scan report for hit-adult.opendns.com (146.112.61.106)
Host is up (0.00074s latency).
Not shown: 989 filtered ports
PORT STATE SERVICE
25/tcp open smtp
80/tcp open http
110/tcp open pop3
119/tcp open nntp
143/tcp open imap
443/tcp open imap
443/tcp open smtps
563/tcp open snews
587/tcp open snews
587/tcp open submission
993/tcp open imaps
995/tcp open pop3s
Nmap done: 1 IP address (1 host up) scanned in 61.39 seconds
```

```
C:\Users\Asus-X453S>nmap -sS 192.168.1.1-255
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 13:44 SE Asia Standard Time
Nmap scan report for 192.168.1.1
Host is up (0.011s latency).
Not shown: 999 closed ports
PORT STATE SERVICE
80/tcp open http
MAC Address: 20:AA:4B:44:84:CD (Cisco-Linksys)
Nmap scan report for 192.168.1.125
Host is up (0.081s latency).
All 1000 scanned ports on 192.168.1.125 are filtered
MAC Address: 70:4D:7B:56:B9:5C (Asustek Computer)
Nmap scan report for 192.168.1.126
Host is up (0.12s latency).
All 1000 scanned ports on 192.168.1.126 are closed
MAC Address: 20:5E:F7:28:72:04 (Samsung Electronics)
Nmap scan report for 192.168.1.127
Host is up (0.050s latency).
All 1000 scanned ports on 192.168.1.127 are closed
MAC Address: 74:23:44:28:D9:5A (Xiaomi Communications)
Nmap scan report for 192.168.1.128
Host is up (0.042s latency).
All 1000 scanned ports on 192.168.1.128 are closed
MAC Address: 4C:ED:FB:21:6B:3D (Unknown)
Nmap scan report for 192.168.1.131
Host is up (0.029s latency).
All 1000 scanned ports on 192.168.1.131 are filtered (828) or closed (172)
MAC Address: 20:5E:F7:6B:1F:F8 (Samsung Electronics)
Nmap scan report for 192.168.1.132
Host is up (0.095s latency).
All 1000 scanned ports on 192.168.1.132 are filtered
MAC Address: 74:C6:3B:CE:9F:F1 (AzureWave Technology)
Nmap scan report for 192.168.1.134
Host is up (0.084s latency).
All 1000 scanned ports on 192.168.1.134 are filtered
MAC Address: A0:A4:C5:BA:B4:59 (Unknown)
```

```
Nmap scan report for 192.168.1.135
Host is up (0.042s latency).
Not shown: 993 filtered ports
PORT
         STATE SERVICE
80/tcp
          open http
135/tcp open msrpc
139/tcp open netbios-ssn
443/tcp open https
445/tcp open microsoft-ds
1500/tcp open vlsi-lm
3306/tcp open mysql
MAC Address: 74:C6:3B:F8:E4:E3 (AzureWave Technology)
Nmap scan report for 192.168.1.129
Host is up (0.00s latency).
Not shown: 979 closed ports
PORT
           STATE
                      SERVICE
25/tcp
            filtered smtp
110/tcp
           filtered pop3
119/tcp
           filtered nntp
125/tcp
           filtered locus-map
135/tcp
           open
                      msrpc
139/tcp
                      netbios-ssn
           open
           filtered imap
143/tcp
445/tcp
           open
                      microsoft-ds
           open micros
filtered smtps
465/tcp
548/tcp
           filtered afp
554/tcp
           open rtsp
563/tcp
           filtered snews
587/tcp
           filtered submission
800/tcp
           filtered mdbs_daemon
903/tcp
           filtered iss-console-mgr
993/tcp
           filtered imaps
           filtered pop3s
995/tcp
1433/tcp filtered ms-sql-s
2869/tcp open icslap
5357/tcp open wsdapi
10243/tcp open
                      unknown
Nmap done: 255 IP addresses (10 hosts up) scanned in 232.71 seconds
```

3. Tugas Percobaan 3 (Scanning Port dengan Netcat)

```
C:\Users\Asus-X453S\Desktop\netcat>nc -v -z -w2 192.168.1.1 1-255
CISCO07498 [192.168.1.1] 143 (imap) open
CISCO07498 [192.168.1.1] 119 (nntp) open
CISCO07498 [192.168.1.1] 110 (pop3) open
CISCO07498 [192.168.1.1] 80 (http) open
CISCO07498 [192.168.1.1] 25 (smtp) open
C:\Users\Asus-X453S\Desktop\netcat>nc -u -v -z -w2 192.168.1.1 1-255
CISCO07498 [192.168.1.1] 255 (?) open
CISC007498 [192.168.1.1] 254 (?) open
CISCO07498 [192.168.1.1] 253 (?) open
CISCO07498 [192.168.1.1] 252 (?) open
CISCO07498 [192.168.1.1] 251 (?) open
CISCO07498 [192.168.1.1] 250 (?) open
CISCO07498 [192.168.1.1] 249 (?) open
           [192.168.1.1] 248 (?) open
CISC007498
CISC007498 [192.168.1.1] 247 (?) open
CISCO07498 [192.168.1.1] 246 (?) open
CISCO07498 [192.168.1.1] 245 (?) open
CISCO07498 [192.168.1.1] 244 (?) open
CISCO07498 [192.168.1.1] 243 (?) open
CISCO07498 [192.168.1.1] 242 (?) open
           [192.168.1.1] 241
                              (?) open
CISC007498
CISCO07498 [192.168.1.1] 240 (?) open
CISCO07498 [192.168.1.1] 239 (?) open
CISCO07498 [192.168.1.1] 238 (?) open
CISCO07498 [192.168.1.1] 237 (?) open
CISCO07498 [192.168.1.1] 236 (?) open
CISCO07498 [192.168.1.1] 235
                              (?) open
CISCO07498 [192.168.1.1] 234 (?) open
CISC007498 [192.168.1.1] 233 (?) open
CISC007498 [192.168.1.1] 232 (?) open
CISCO07498 [192.168.1.1] 231 (?) open
CISCO07498 [192.168.1.1] 230 (?) open
CISCO07498 [192.168.1.1] 229 (?) open
CISCO07498 [192.168.1.1] 228 (?)
                                  open
CISCO07498 [192.168.1.1] 227
                              (3)
                                  open
```

Website UMS

```
C:\Users\Asus-X453S\Desktop\netcat>nc -v -z -w2 103.226.174.220 20-25 220.174.226.103.in-addr.arpa [103.226.174.220] 25 (smtp) open 220.174.226.103.in-addr.arpa [103.226.174.220] 24 (?): TIMEDOUT 220.174.226.103.in-addr.arpa [103.226.174.220] 23 (telnet): TIMEDOUT 220.174.226.103.in-addr.arpa [103.226.174.220] 22 (ssh) open 220.174.226.103.in-addr.arpa [103.226.174.220] 21 (ftp) open C:\Users\Asus-X453S\Desktop\netcat>nc -u -v -z -w2 103.226.174.220 20-25 220.174.226.103.in-addr.arpa [103.226.174.220] 25 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 24 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 23 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 22 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 21 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 21 (?) open 220.174.226.103.in-addr.arpa [103.226.174.220] 20 (?) open
```

```
C:\Users\Asus-X453S\Desktop\netcat>nc -v -z -w2 203.190.242.211 20-25 s2-211-242.190.203.detik.com [203.190.242.211] 25 (smtp) open

C:\Users\Asus-X453S\Desktop\netcat>nc -u -v -z -w2 203.190.242.211 20-25 s2-211-242.190.203.detik.com [203.190.242.211] 25 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 24 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 23 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 22 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 21 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 21 (?) open s2-211-242.190.203.detik.com [203.190.242.211] 20 (?) open
```

Website Female.com

```
C:\Users\Asus-X453S\Desktop\netcat>nc -v -z -w2 146.112.61.106 20-25
hit-adult.opendns.com [146.112.61.106] 25 (smtp) open
hit-adult.opendns.com [146.112.61.106] 24 (?): TIMEDOUT
hit-adult.opendns.com [146.112.61.106] 23 (telnet): TIMEDOUT
hit-adult.opendns.com [146.112.61.106] 22 (ssh): TIMEDOUT
hit-adult.opendns.com [146.112.61.106] 21 (ftp): TIMEDOUT
hit-adult.opendns.com [146.112.61.106] 20 (ftp-data): TIMEDOUT

C:\Users\Asus-X453S\Desktop\netcat>nc -u -v -z -w2 146.112.61.106 20-25
hit-adult.opendns.com [146.112.61.106] 25 (?) open
hit-adult.opendns.com [146.112.61.106] 24 (?) open
hit-adult.opendns.com [146.112.61.106] 22 (?) open
hit-adult.opendns.com [146.112.61.106] 21 (?) open
hit-adult.opendns.com [146.112.61.106] 21 (?) open
hit-adult.opendns.com [146.112.61.106] 20 (?) open
```

4. Tugas Percobaan 4 (Mendeteksi Sistem Operasi Target dengan Nmap)

```
::\Users\Asus-X453S>nmap -0 192.168.1.135
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:07 SE Asia Standard Time
Nmap scan report for 192.168.1.135
Host is up (0.27s latency).
Not shown: 993 filtered ports
       STATE SERVICE
PORT
80/tcp open http
135/tcp open msrpo
139/tcp open netbios-ssn
443/tcp open https
445/tcp open microsoft-ds
1500/tcp open
                vlsi-lm
3306/tcp open mysql
MAC Address: 74:C6:3B:F8:E4:E3 (AzureWave Technology)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running (JUST GUESSING): Microsoft Windows XP|7|2008 (87%)
OS CPE: cpe:/o:microsoft:windows_xp::sp2 cpe:/o:microsoft:windows_7 cpe:/o:microsoft:windows_server_20
rosoft:windows_server_2008:r2
Aggressive OS guesses: Microsoft Windows XP SP2 (87%), Microsoft Windows 7 (85%), Microsoft Windows Se
indows Server 2008 R2 (85%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 1 hop
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 33.15 seconds
```

```
C:\Users\Asus-X453S>nmap -p80 -0 192.168.1.135
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:17 SE Asia Standard Time
Nmap scan report for 192.168.1.135
Host is up (0.032s latency).

PORT STATE SERVICE
80/tcp open http
MAC Address: 74:C6:38:F8:E4:E3 (AzureWave Technology)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running (JUST GUESSING): Microsoft Windows 2008|XP (86%)
OS CPE: cpe:/o:microsoft:windows_server_2008::sp1 cpe:/o:microsoft:windows_server_2008:r2 cpe:/o:micro
p2
Aggressive OS guesses: Microsoft Windows Server 2008 SP1 or Windows Server 2008 R2 (86%), Microsoft Wi
No exact OS matches for host (test conditions non-ideal).
Network Distance: 1 hop

OS detection performed. Please report any incorrect results at https://nmap.org/submit/.
Nmap done: 1 IP address (1 host up) scanned in 13.44 seconds
```

Website ums.ac.id

```
C:\Users\Asus-X453S>nmap -0 103.226.174.220
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:20 SE Asia Standard Time
Nmap scan report for 103.226.174.220
Host is up (0.024s latency).
Not shown: 984 filtered ports
PORT
           STATE SERVICE
20/tcp
           closed ftp-data
           open ftp
21/tcp
22/tcp
           open
                    ssh
53/tcp
           open
                    domain
           open http
80/tcp
161/tcp closed snmp
          open https
closed smtps
closed submission
443/tcp
465/tcp
587/tcp
3306/tcp open mysql
8080/tcp closed http-proxy
8081/tcp closed blackice-icecap
50000/tcp closed ibm-db2
50001/tcp closed unknown
50003/tcp closed unknown
50006/tcp closed unknown
Device type: general purpose
Running: Linux 3.X 4.X
OS CPE: cpe:/o:linux:linux kernel:3 cpe:/o:linux:linux kernel:4
OS details: Linux 3.11 - 4.1
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 17.20 seconds
C:\Users\Asus-X453S>nmap -p80 -0 103.226.174.220
Starting Nmap 7.70 (https://nmap.org ) at 2019-03-14 14:22 SE Asia Standard Time Nmap scan report for 103.226.174.220
Host is up (0.041s latency).
PORT STATE SERVICE
80/tcp open http
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running: Linux 3.X|4.X
OS CPE: cpe:/o:linux:linux_kernel:3 cpe:/o:linux:linux_kernel:4 OS details: Linux 3.11 - 4.1
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 10.81 seconds
C:\Users\Asus-X453S>nmap -p80 -0 103.226.174.220
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:24 SE Asia Standard Time
Nmap scan report for 103.226.174.220
```

Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .

Host is up (0.0081s latency).

Device type: general purpose Running: Linux 3.X|4.X

OS details: Linux 3.11 - 4.1

OS CPE: cpe:/o:linux:linux_kernel:3 cpe:/o:linux:linux_kernel:4

Nmap done: 1 IP address (1 host up) scanned in 10.16 seconds

PORT STATE SERVICE 80/tcp open http

```
C:\Users\Asus-X453S>nmap -0 203.190.242.211
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 15:49 SE Asia Standard Time
Nmap scan report for s2-211-242.190.203.detik.com (203.190.242.211)
Host is up (0.0078s latency).
Not shown: 995 closed ports
PORT
        STATE
                  SERVICE
25/tcp
         filtered smtp
80/tcp
         open
                   http
443/tcp open
                   https
5666/tcp open
                   nrpe
5678/tcp filtered rrac
Device type: specialized|router|printer|load balancer
Running (JUST GUESSING): AVtech embedded (86%), HP embedded (85%), Ricoh embedded
OS CPE: cpe:/h:hp:procurve_7102dl cpe:/h:ricoh:aficio_sp_c240sf cpe:/o:f5:tmos:11.6
Aggressive OS guesses: AVtech Room Alert 26W environmental monitor (86%), HP ProCur
Traffic Manager load balancer (TMOS 11.6) (85%)
No exact OS matches for host (test conditions non-ideal).
OS detection performed. Please report any incorrect results at https://nmap.org/sub
Nmap done: 1 IP address (1 host up) scanned in 15.42 seconds
C:\Users\Asus-X453S>nmap -p80 -0 203.190.242.211
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 15:52 SE Asia Standard Time
Nmap scan report for s2-211-242.190.203.detik.com (203.190.242.211)
Host is up (0.0093s latency).
PORT STATE SERVICE
80/tcp open http
Warning: OSScan results may be unreliable because we could not find at least 1 oper
Aggressive OS guesses: Vodavi XTS-IP PBX (93%), Crestron XPanel control system (92%
5.3 (90%), HP 170X print server or Inkjet 3000 printer (89%), HP LaserJet 4250 pri
tendo Wii game console (88%), Brother MFC-7820N printer (87%)
No exact OS matches for host (test conditions non-ideal).
OS detection performed. Please report any incorrect results at https://nmap.org/sub
Nmap done: 1 IP address (1 host up) scanned in 12.89 seconds
```

Website Female.com

```
C:\Users\Asus-X4535>nmap -0 146.112.61.106
Starting Nmap 7.70 ( https://nmap.org ) at 2019-03-14 14:30 SE Asia Standard Time
Nmap scan report for hit-adult.opendns.com (146.112.61.106)
Host is up (0.15s latency).
Not shown: 998 filtered ports
PORT STATE SERVICE
80/tcp open http
443/tcp open http
443/tcp open http
443/tcp open http
Marning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Linux 3.2 - 4.9 (94%), Linux 3.16 (90%), Crestron XPanel control system (90%), Linux 2
ASUS RT-NS6U WAP (Linux 3.4) (87%), Linux 3.1 (87%), Linux 3.2 (87%), Linux 2.6.32 - 3.10 (87%)
No exact OS matches for host (test conditions non-ideal).
OS detection performed. Please report any incorrect results at https://nmap.org/submit/.
Nmap done: 1 IP address (1 host up) scanned in 32.01 seconds

C:\Users\Asus-X4535>nmap -p80 -0 146.112.61.106
Starting Nmap 7.70 ( https://nmap.org) at 2019-03-14 14:32 SE Asia Standard Time
Nmap scan report for hit-adult.opendns.com (146.112.61.106)
Host is up (0.091s latency).

PORT STATE SERVICE
80/tcp open http
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Linux 3.2 - 4.9 (94%), Linux 3.16 (90%), Crestron XPanel control system (90%), Linux 4
3.2 - 3.8 (88%), ASUS RT-NS6U WAP (Linux 3.4) (87%), Linux 3.1 (87%), Linux 3.2 (87%)
No exact OS matches for host (test conditions non-ideal).

OS detection performed. Please report any incorrect results at https://nmap.org/submit/.
Nmap done: 1 IP address (1 host up) scanned in 14.59 seconds
```