**Workshop Administrasi Jaringan**

**Form Isian Tugas Pretes**



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2 D4 Teknik Informatika B

**TEKNIK INFORMATIKA**

**DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER**

**POLITEKNIK ELEKTRONIKA NEGERI SURABAYA**

**2021/2022**

Konfigurasi Core Router

|  |  |
| --- | --- |
| Hostname | Core Router |
| IP Address | Fa/0/0 : 192.168.1.1  Gig7/0 : 192.168.2.1  Gig9/0 : 192.168.7.1 |
| Subnet mask | 255.255.255.0 |
| Gateway | Gig6/0 : 192.168.2.2  Gig0/0/0 : 192.168.7.2 |
| DNS Server | 192.168.9.53 |

Routing Table Core-Router

RIP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network Destination | Netmask | Gateway | Interface | Metric |
| 192.168.3.0 | 255.255.255.0 | 192.168.2.1 | Gig7/0 | 1 |
| 192.168.4.0 | 255.255.255.0 | 192.168.2.1 | Gig7/0 | 1 |
| 192.168.5.0 | 255.255.255.0 | 192.168.2.1 | Gig7/0 | 2 |
| 192.168.6.0 | 255.255.255.0 | 192.168.2.1 | Gig7/0 | 2 |
| 192.168.9.0 | 255.255.255.0 | 192.168.7.1 | Gig9/0 | 1 |

Konfigurasi Router 8

|  |  |
| --- | --- |
| Hostname | Router 8 |
| IP Address | Gig0/0/0 : 192.168.7.2  Gig0/0/1 : 162.168.9.2 |
| Subnet mask | 255.255.255.0 |
| Gateway | Gig0/0/0 : 192.168.7.1 |
| DNS Server | 192.168.9.53 |

Routing Table Router 8

RIP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network Destination | Netmask | Gateway | Interface | Metric |
| 192.168.1.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 1 |
| 192.168.2.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 1 |
| 192.168.3.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 2 |
| 192.168.4.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 2 |
| 192.168.5.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 3 |
| 192.168.6.0 | 255.255.255.0 | 192.168.7.1 | Gig0/0/0 | 3 |

Konfigurasi Distribution Router

|  |  |
| --- | --- |
| Hostname | Distribution Router |
| IP Address | Fa0/0 : 192.168.3.2  Fa0/1 : 192.168.4.2  Gig6/0 : 192.168.2.2 |
| Subnet mask | 255.255.255.0 |
| Gateway | Gig6/0: 192.168.2.1  Fa0/0: 192.168.3.1  Fa1/0: 192.168.4.1 |
| DNS Server | 192.168.9.53 |

Routing Table Distribution Router

RIP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network Destination | Netmask | Gateway | Interface | Metric |
| 192.168.1.0 | 255.255.255.0 | 192.168.2.1 | Gig6/0 | 1 |
| 192.168.5.0 | 255.255.255.0 | 192.168.3.1 | Fa0/0 | 1 |
| 192.168.6.0 | 255.255.255.0 | 192.168.4.1 | Fa1/0 | 1 |
| 192.168.7.0 | 255.255.255.0 | 192.168.2.1 | Gig6/0 | 1 |
| 192.168.9.0 | 255.255.255.0 | 192.168.2.1 | Gig6/0 | 2 |

Konfigurasi Access Router A-1

|  |  |
| --- | --- |
| Hostname | Access Router A-1 |
| IP Address | Gig0/0 : 192.168.3.1  Gig0/1 : 192.168.5.1 |
| Subnet mask | 255.255.255.0 |
| Gateway | Gig0/0 : 192.168.3.2 |
| DNS Server | 192.168.9.53 |

Routing Table Access Router A-1

RIP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network Destination | Netmask | Gateway | Interface | Metric |
| 192.168.1.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 2 |
| 192.168.2.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 1 |
| 192.168.4.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 1 |
| 192.168.6.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 2 |
| 192.168.7.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 2 |
| 192.168.9.0 | 255.255.255.0 | 192.168.3.1 | Gig0/0 | 3 |

Konfigurasi Access Router A-2

|  |  |
| --- | --- |
| Hostname | Access Router A-2 |
| IP Address | Gig0/0 : 192.68.4.1  Gig0/1 : 192.168.6.1 |
| Subnet mask | 255.255.255.0 |
| Gateway | Gig0/0 : 192.168.4.1 |
| DNS Server | 192.168.9.53 |

Routing Table Access Router A-2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network Destination | Netmask | Gateway | Interface | Metric |
| 192.168.1.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 2 |
| 192.168.2.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 1 |
| 192.168.3.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 1 |
| 192.168.5.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 2 |
| 192.168.7.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 2 |
| 192.168.9.0 | 255.255.255.0 | 192.168.4.1 | Gig0/0 | 3 |

Konfigurasi Main Web Server

|  |  |
| --- | --- |
| Hostname | [www.jarkom.org](http://www.jarkom.org) |
| IP Address | 192.168.9.80 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.9.2 |
| DNS Server | 192.168.9.53 |

Konfigurasi DNS Server

|  |  |
| --- | --- |
| Hostname | ns.jarkom.org |
| IP Address | 192.168.9.53 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.9.2 |
| DNS Server | 192.168.9.53 |

Konfigurasi DHCP Server A-2

|  |  |
| --- | --- |
| Hostname | dhcp-a2.jarkom.org |
| IP Address | 192.168.6.2 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.6.1 |
| DNS Server | 192.168.9.53 |

Konfigurasi PC0

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 192.168.5.2 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.5.1 |
| DNS Server | 192.168.9.53 |

Konfigurasi PC1

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 192.168.5.3 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.5.1 |
| DNS Server | 192.168.9.53 |

Konfigurasi PC0(2)

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 192.168.6.3 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.6.1 |
| DNS Server | 192.168.9.53 |

Konfigurasi PC1(2)

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 192.168.6.4 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.6.1 |
| DNS Server | 192.168.9.53 |

Konfigurasi AP-1

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 0090.21B4.9281 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.5.1 |
| DNS Server | 192.168.9.53 |
| WLAN Security | disabled |
| SSID | A1 |
| SSID Key | disabled |

Konfigurasi AP-2

|  |  |
| --- | --- |
| Hostname |  |
| IP Address | 0001.4366.3407 |
| Subnet mask | 255.255.255.0 |
| Gateway | 192.168.6.1 |
| DNS Server | 192.168.9.53 |
| WLAN Security | Disabled |
| SSID | ap2 |
| SSID Key | disabled |

**HASIL PERCOBAAN**

**PC0**

**A picture containing calendar

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**PC 1**

**Text

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**PC0(2)**

**A picture containing graphical user interface

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**PC1(2)**

**Text

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**