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Answer the following questions regarding the captured data:

1. Were there different types of wires used to connect devices?

   Answer: Iya

2. Did the wires change the handling of the PDU in any way?

   Answer: Tidak

3. Did the **Hub** lose any of the information given to it?

   Answer: Tidak

4. What does the **Hub** do with MAC addresses and IP addresses?

   Answer: Ketika tujuan nya sama dengan ip addreas yang diterima dan akan di tidak akan diteruskan jika ip address nya tidak sama.

5. Did the wireless **Access Point** do anything with the information given to it?

   Answer: Access point meneruskan ke semua frme dan port wirlesnya.

6. Was any MAC or IP address lost during the wireless transfer?

   Answer: Ketika mac address hilang maka akan diganti dengan MAC address yang baru.

7. What was the highest OSI layer that the **Hub** and **Access Point** used?

   Answer: Layer 1

8. Did the **Hub** or **Access Point** ever replicate a PDU that was rejected with a red “X”?

   Answer: Tidak

9. When examining the **PDU Details** tab, which MAC address appeared first, the source or the destination?

   Answer: MAC address tujuan.

10. Why would the MAC addresses appear in this order?

    Answer: Karena prioritas pertama untuk memastikan alamat tujuan sama dengan alamat penerima.

11. Was there a pattern to the MAC addressing in the simulation?

    Answer: Tidak

12. Did the switches ever replicate a PDU that was rejected with a red “X”?

    Answer: Tidak

13. Every time that the PDU was sent between the 10 network and the 172 network, there was a point where the MAC addresses suddenly changed. Where did that occur?

    Answer: Ketika perangkat nya router dan ping nya berakhir

14. Which device uses MAC addresses starting with 00D0?

    Answer: Router

15. To what devices did the other MAC addresses belong?

    Answer: Switch, router, hub.

16. Did the sending and receiving IPv4 addresses switch in any of the PDUs?

    Answer: Tidak

17. If you follow the reply to a ping, sometimes called a *pong*, do the sending and receiving IPv4 addresses switch?

    Answer: Iya

18. What is the pattern to the IPv4 addressing in this simulation?

    Answer: Pola router harus mempunyai alamat yang tidak tumpeng tindih.

19. Why do different IP networks need to be assigned to different ports of a router?

    Answer: Setiap port harus memiliki jaringan IP tertentu agar router dapat menghubungkannya.

20. If this simulation was configured with IPv6 instead of IPv4, what would be different?

Answer: Alamat IPv4 akan berubah menjadi alamat IPv6 yang berarti bahwa alamat IP membawa lebih banyak bit dan lebih banyak angka. Alamat IPv6 juga dalam bentuk heksadesimal sebagai lawan dari dot desimal. IPv4 lebih banyak digunakan di antara jaringan daripada IP v6.