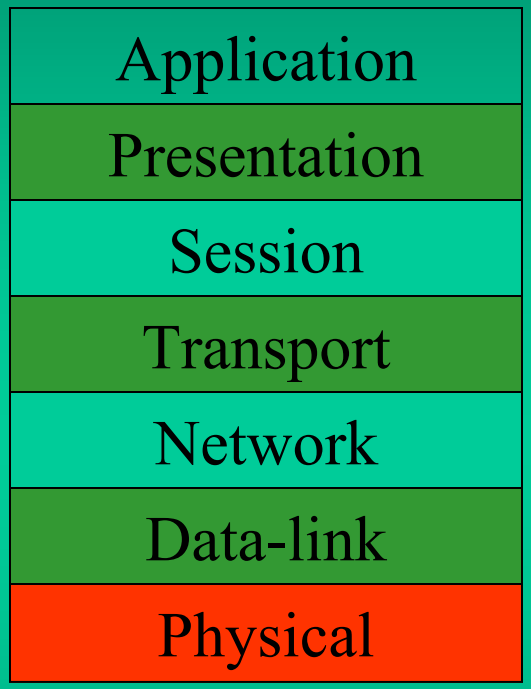
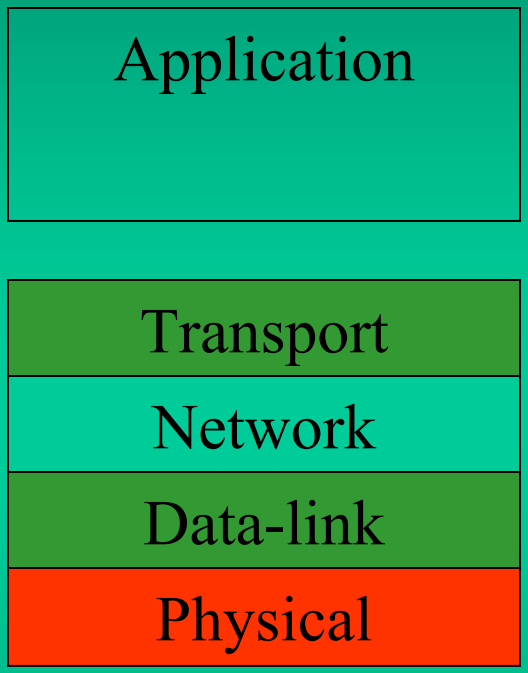
Data Komunikasi

oleh

Yudhie Kurnia Moeljanto

OSI Layer





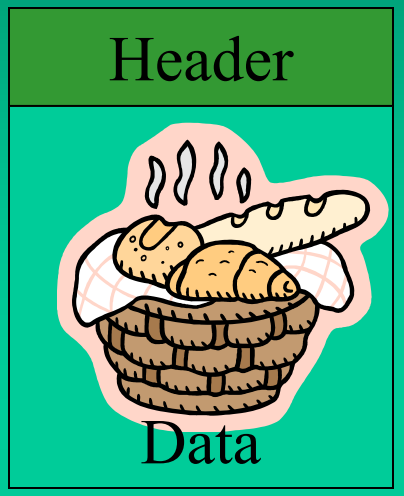
7 Layer/OSI

TCP/IP

Application



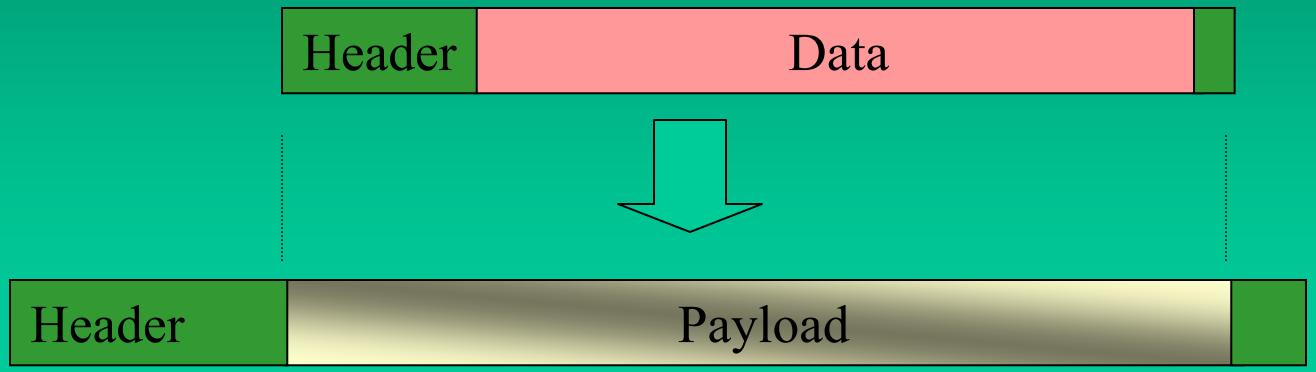
Format Data

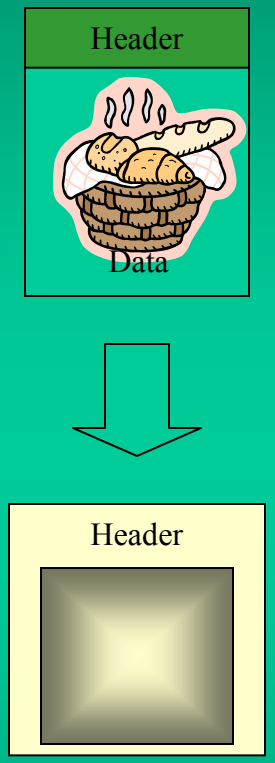


Analogi

- Contoh : Email, HTTP, dsb

Presentation & Session

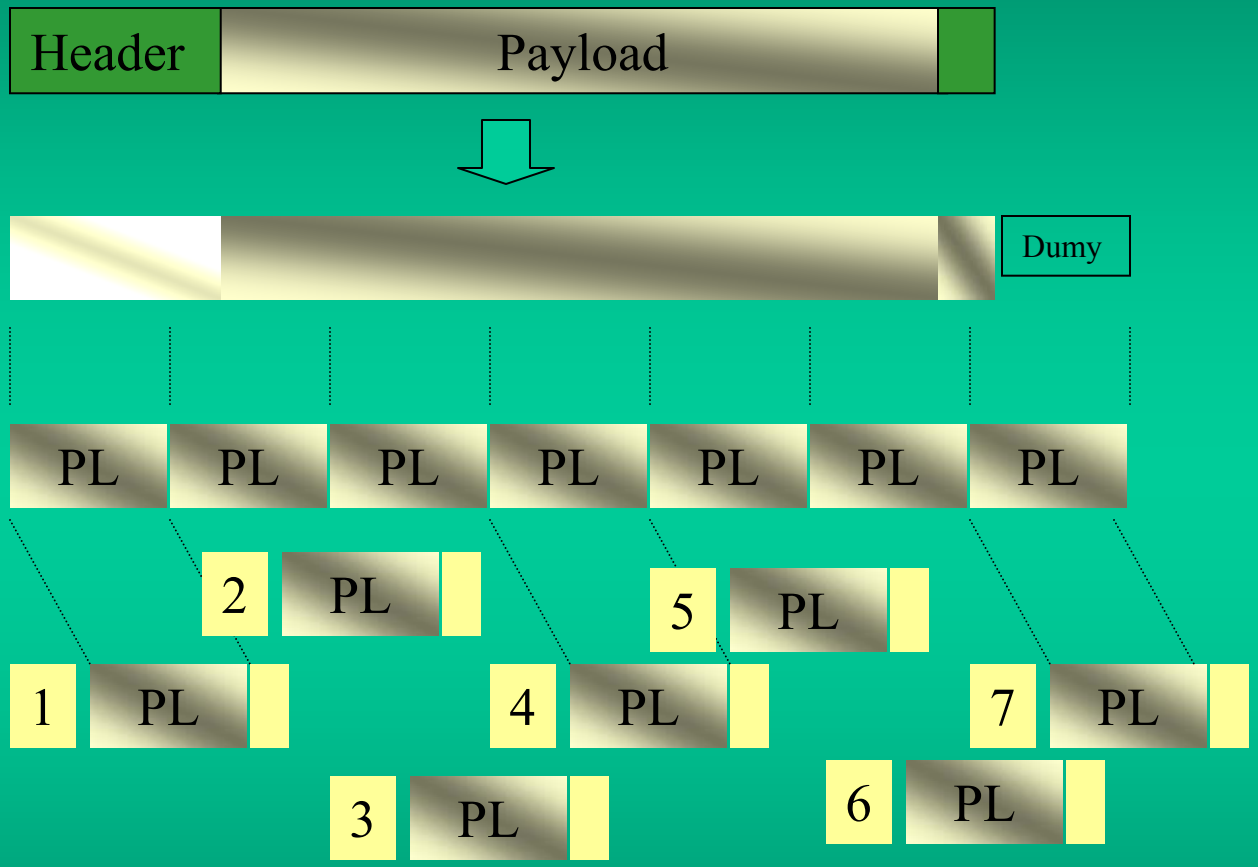




Analogi

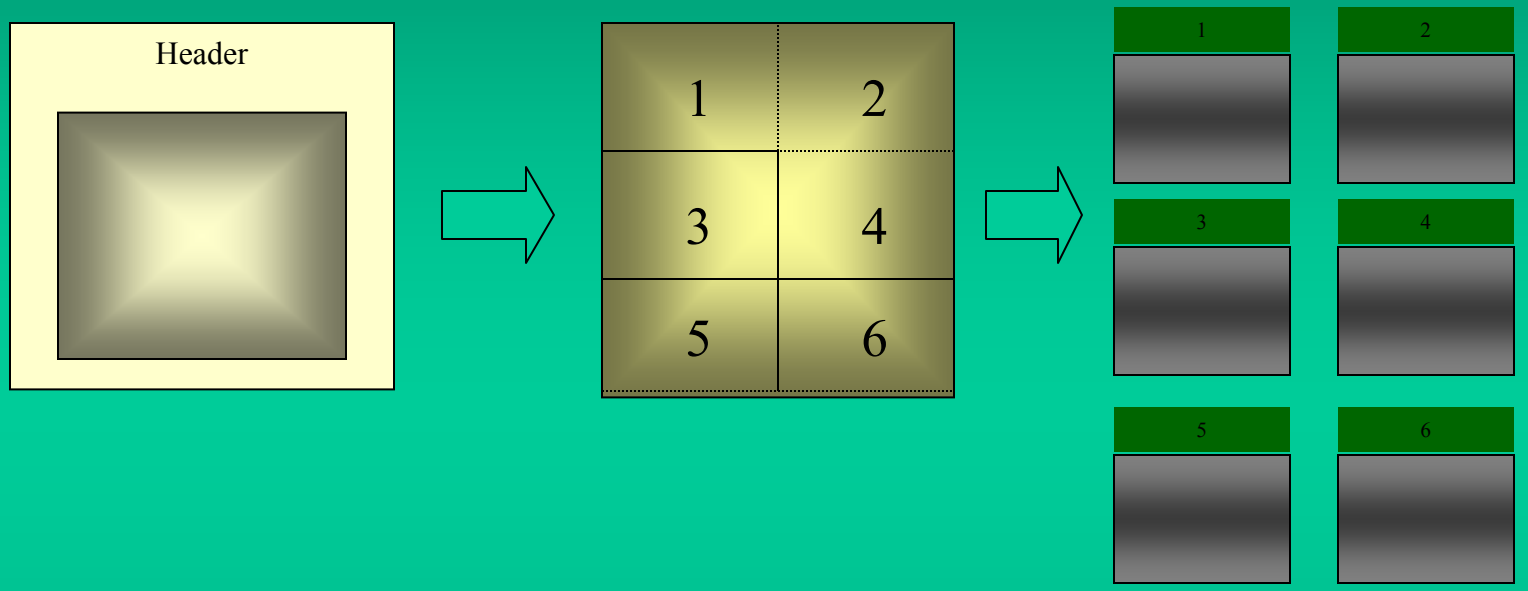
- Security, Compression
- RPC, RMI

Transport



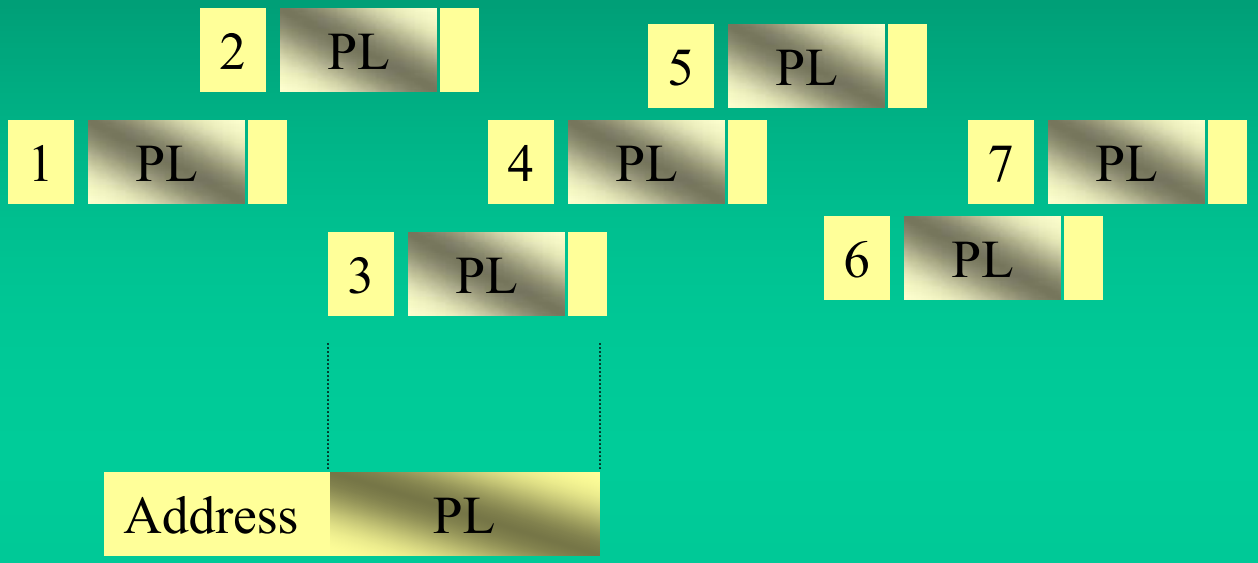
- PL = PayLoad
- TCP, UDP Protocol

Transport Layer Analogi



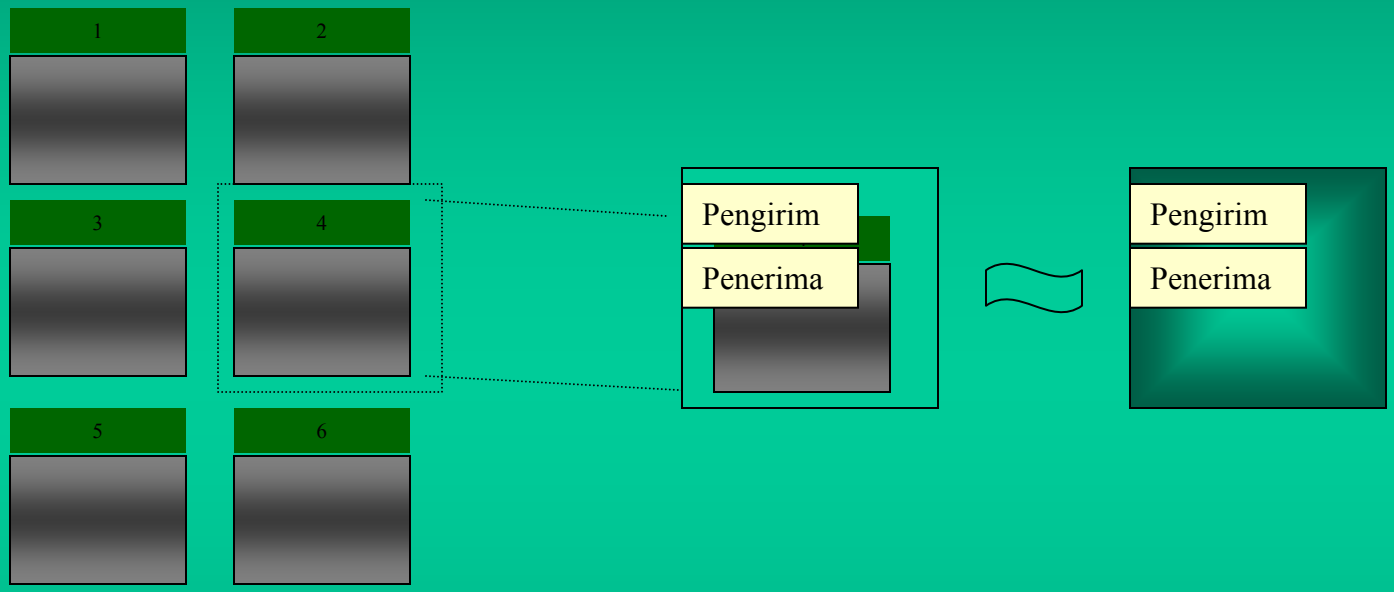
- Paket besar dibagi-bagi menjadi paket-paket yang lebih kecil
- Masing-masing paket diberi nomor sesuai dengan urutannya

Network Layer



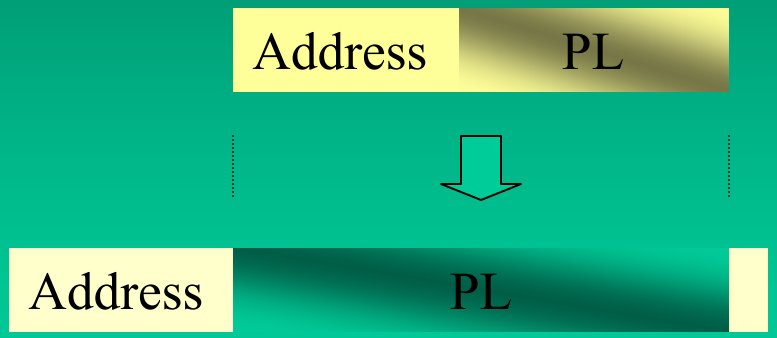
- Address pada Network Layer dinamakan : Logical Address
- Address terdiri dari : Source Address (alamat IP pengirim, mis:172.16.180.16), dan Destination Address (alamat IP penerima, mis: 192.234.13.201)

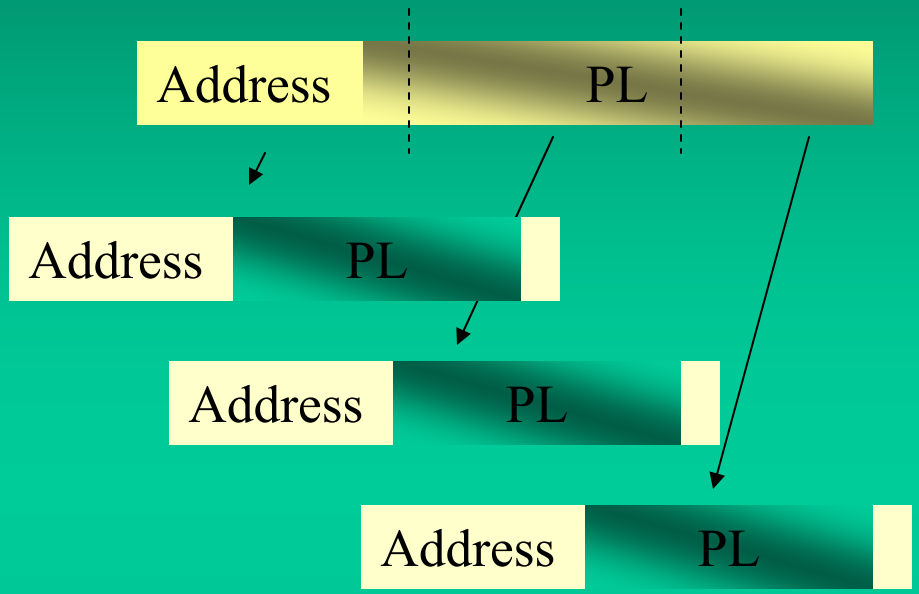
Network Layer Analogi



- Router

Data-link





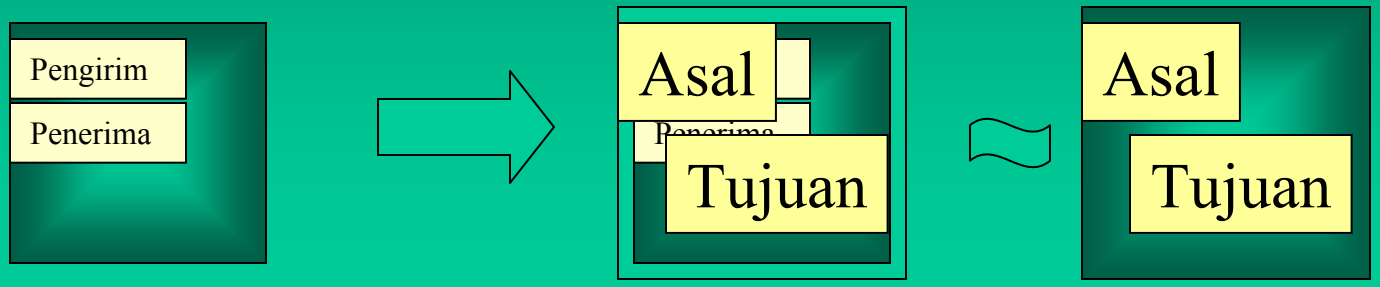
Paket kecil

Paket besar

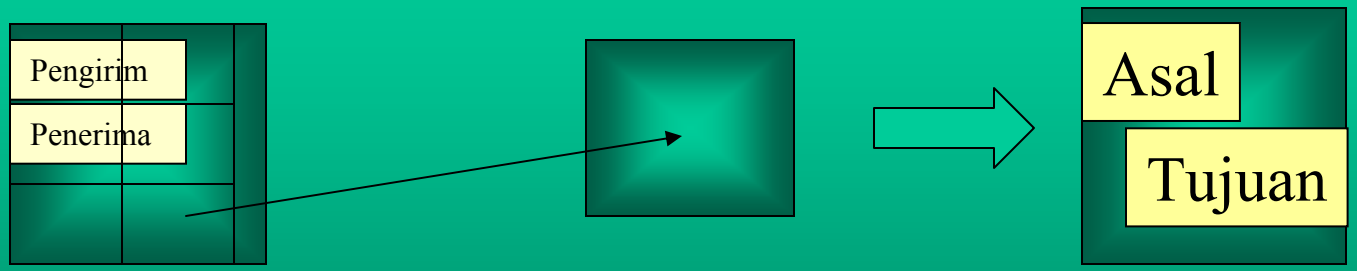
- Address pada Data-link disebut: Physical Address
- Address terdiri atas: Source Address (Alamat Asal), dan Destination Address (Alamat Tujuan)
- Source dan Destination address adalah alamat point (titik) sesaat yang dituju, dan bukan alamat IP.

Data-link

- Jika ukuran paket kecil

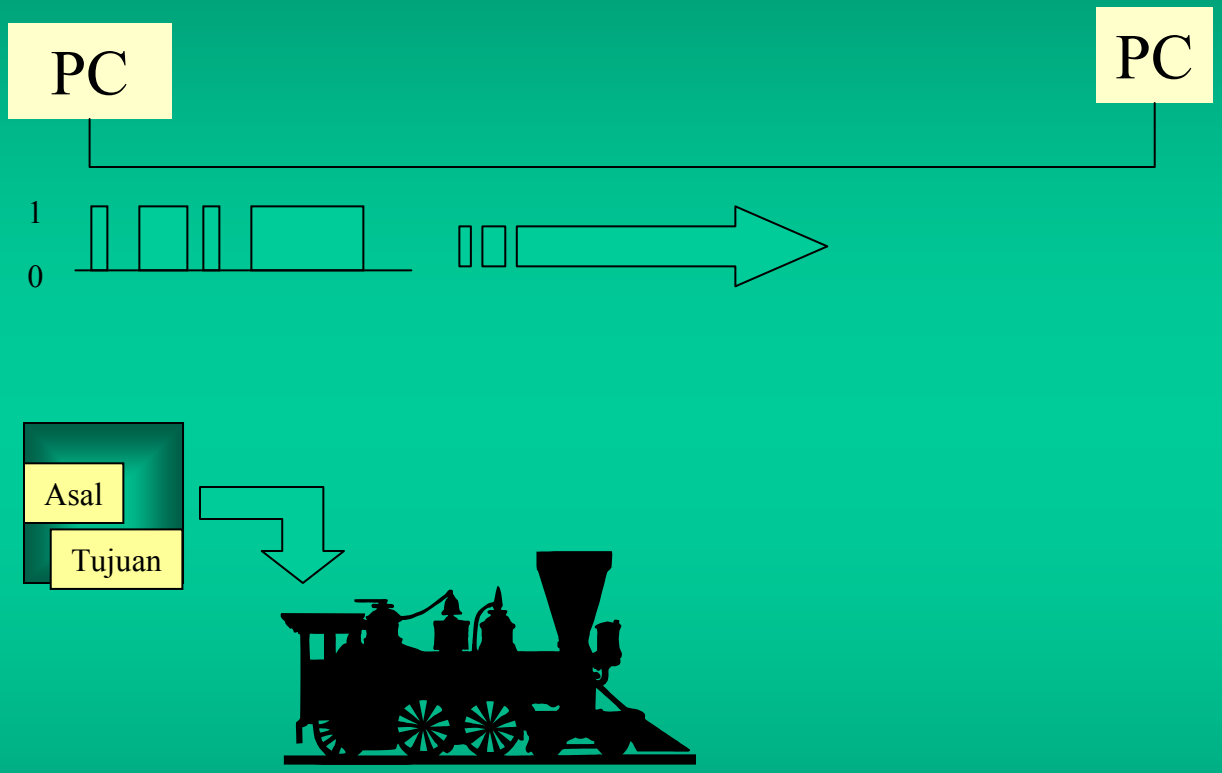


- Jika ukuran paket besar



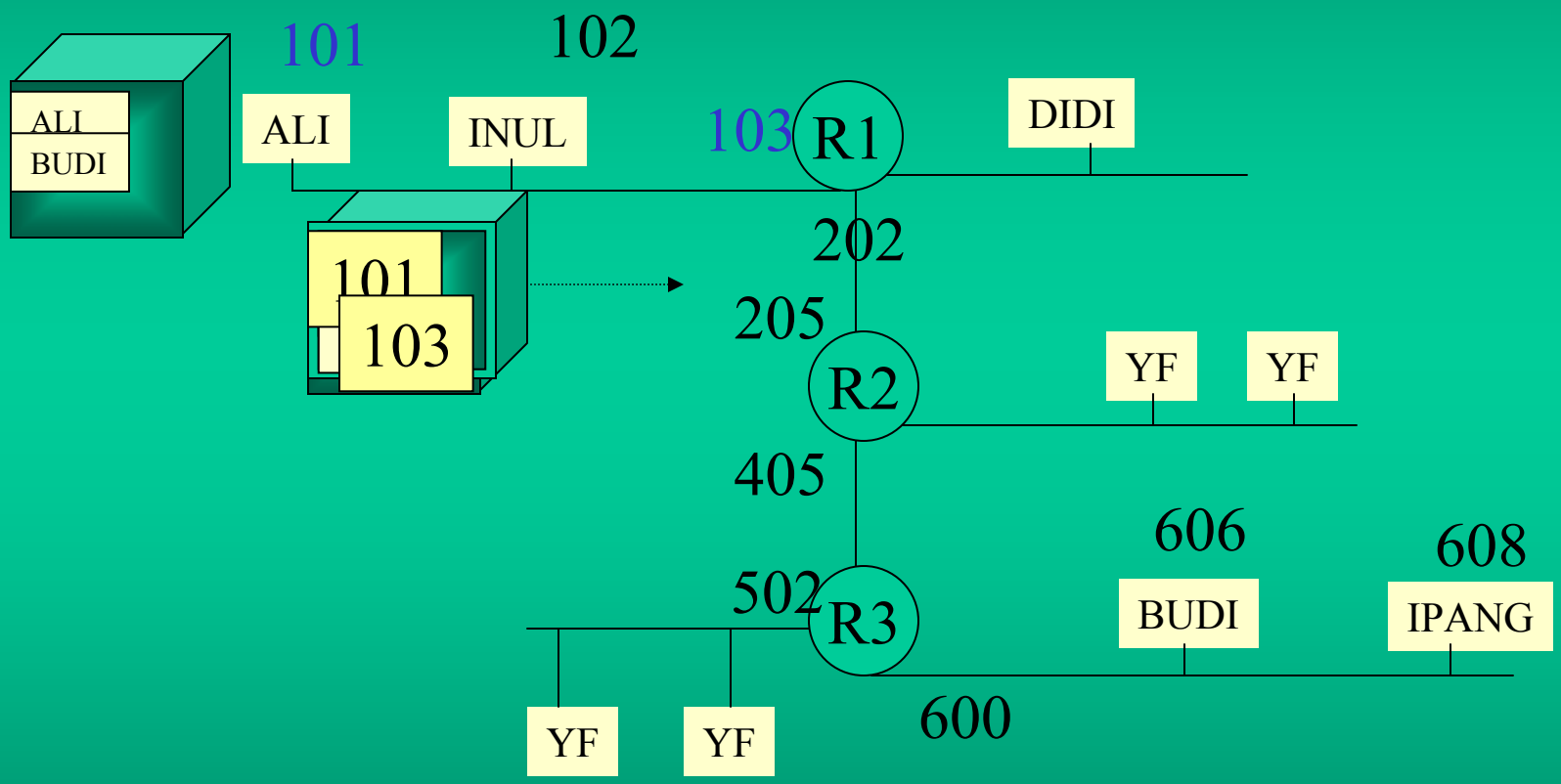
•Eth card, Switch

Physical Layer

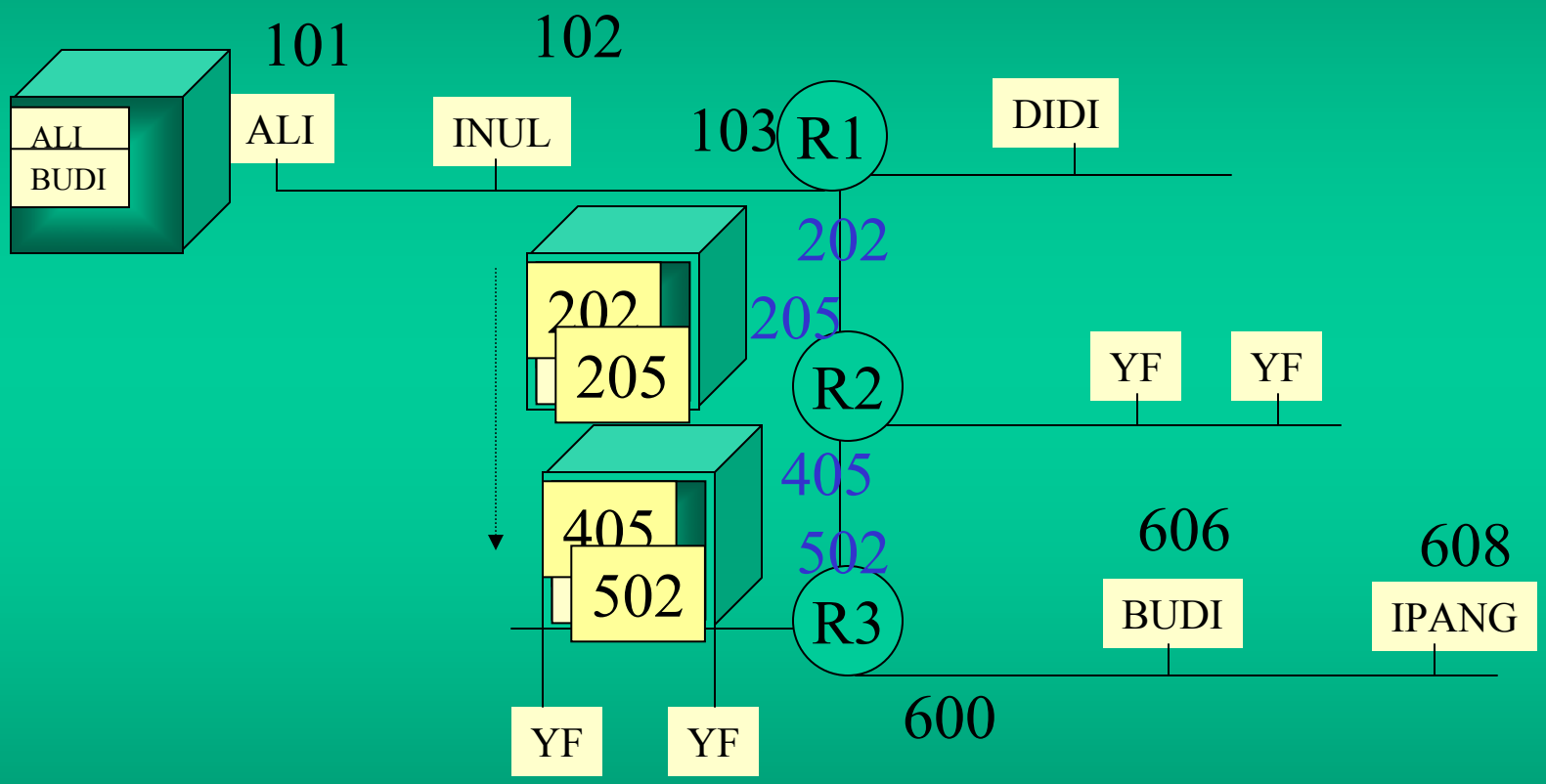


- Hub, repeater

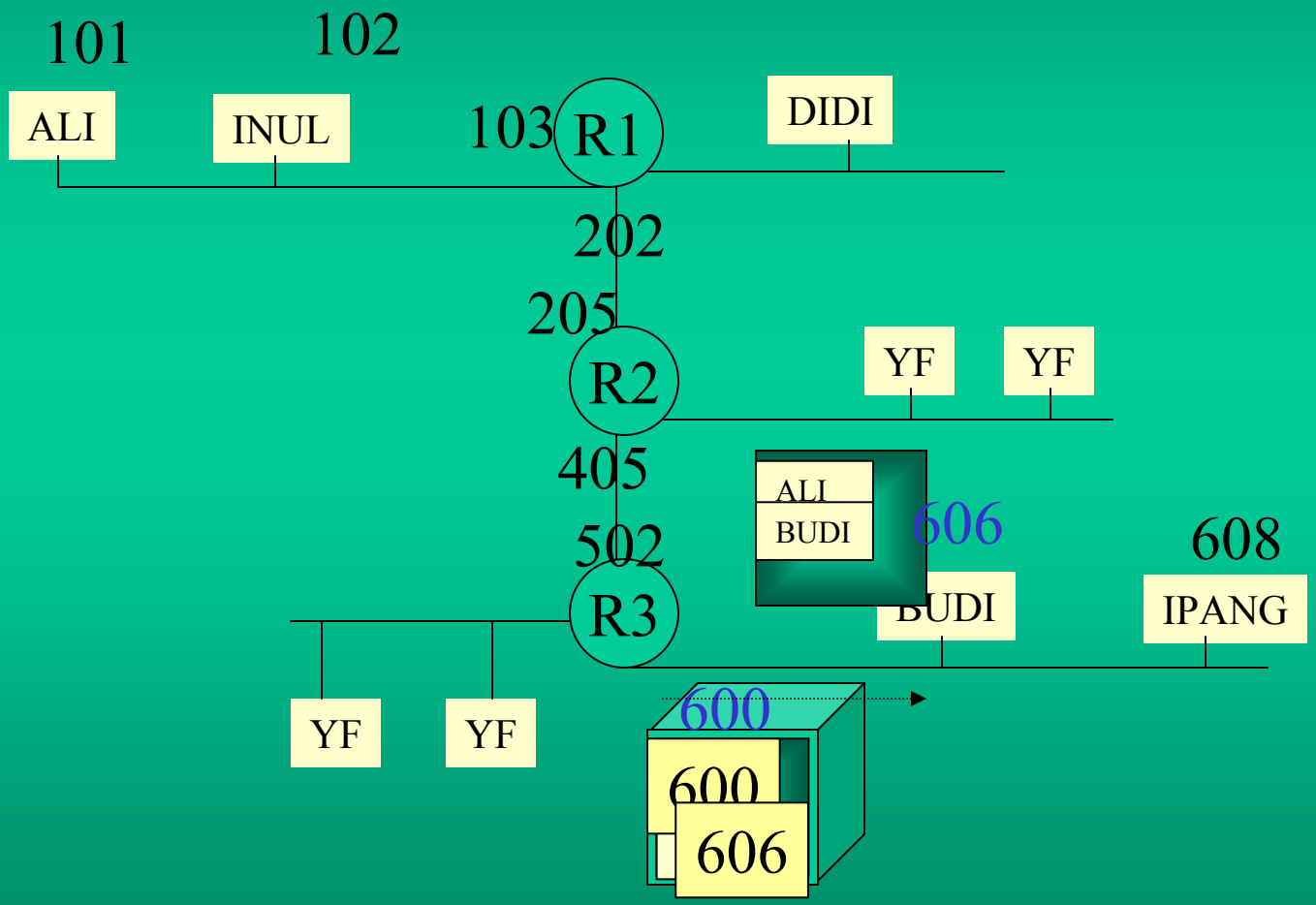
Contoh


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BUDI
ALI
INUL
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202
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R2
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YF
405
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502
R3
BUDI
IPANG
YF
YF
600

Contoh


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BUDI
ALI
INUL
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