Quiz Computer Network

Manuel Christopher Karsono

NIM:2440013310

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PC to PC use Crossover as the type of cable.

Pin 7 Putih – Cokelat,Pin 8 Cokelat

--2

192.168.25.0/24

•IT Division – 55 computers

2^h - 2 >= 55

h = 6 (64)

32 - 6 = 26

subnet mask:

255.255.255.192

network address = 192.168.25.0/26

subnet mask = 255.255.255.192

useable ip = 192.168.25.1 - 192.168.25.62

default gateaway = 192.168.25.1

broadcast address = 192.168.25.63

•Network Admin Division – 26 computers

network address = 192.168.25.64/26

subnet mask = 255.255.255.192

useable ip = 192.168.25.65 - 192.168.25.126

default gateaway = 192.168.25.65

broadcast address = 192.168.25.127

•Database Admin Division – 15 computers

network address = 192.168.25.128/26

subnet mask = 255.255.255.192

useable ip = 192.168.25.129 - 192.168.25.190

default gateaway = 192.168.25.129

broadcast address = 192.168.25.191

--3

192.168.10.0/24

•IT Division – 75 computers

2^h - 2 >= 75

h = 7 (128)

32 - 7 = 25

subnet mask:

255.255.255.128

network address = 192.168.10.0/25

subnet mask = 255.255.255.128

useable ip = 192.168.10.1 - 192.168.10.126

default gateaway = 192.168.10.1

broadcast address = 192.168.10.127

•Network Admin Division – 35 computers

2^h - 2 >= 35

h = 6 (64)

32 - 6 = 26

subnet mask:

255.255.255.192

network address = 192.168.10.128/26

subnet mask = 255.255.255.192

useable ip = 192.168.10.129 - 192.168.10.190

default gateaway = 192.168.10.129

broadcast address = 192.168.10.191

•Database Admin Division – 20 computers

2^h - 2 => 20

h = 5 (32)

32 - 5 = 27

255.255.255.224

network address = 192.168.10.192/27

subnet mask = 255.255.255.224

useable ip = 192.168.10.193 - 192.168.10.222

default gateaway = 192.168.10.193

broadcast address = 192.168.10.223

•Customer Support Division – 20 computers

2^h - 2 => 20

h = 5 (32)

32 - 5 = 27

255.255.255.224

network address = 192.168.10.224/27

subnet mask = 255.255.255.224

useable ip = 192.168.10.225 - 192.168.10.254

default gateaway = 192.168.10.225

broadcast address = 192.168.10.255