**BACHELOR OF COMPUTER SCIENCE**

**FACULTY/SCHOOL OF COMPUTER SCIENCE**

**BINA NUSANTARA UNIVERSITY**

**JAKARTA**

**ASSESSMENT FORM**

**Course: CPEN6247001 - Computer Networks**

**Method of Assessment: Case Study / Project**

**Semester/Academic Year : 2/2021-2022**

**Name of Lecturer : ………………………**

**Date : ………………………**

**Class : ………………………**

**Topic : Networking Media / Topology, IP Addressing & Subnetting, Routing, Application layer (HTTP / SMTP - Web/Email)**

|  |  |
| --- | --- |
| **Group Members :** | 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  7\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  8\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Student Outcomes**:

**SO 2 - Mampu merancang, mengimplementasikan, dan mengevaluasi solusi berbasis komputasi untuk memenuhi serangkaian persyaratan komputasi dalam konteks ilmu computer.**

***Able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of computer science.***

**Learning Objectives:**   
**LObj 2.1 - Mampu merancang solusi berbasis komputasi untuk memenuhi serangkaian persyaratan komputasi tertentu dalam konteks ilmu komputer**

***Able to design a computing-based solution to meet a given set of computing requirements in the context of computer science.***

| **No** | **Assessment criteria** | **Weight** | **Excellent (85 - 100)** | **Good (75-84)** | **Average (65-74)** | **Poor (0 - 64)** | **Score** | **(Score x Weight)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Devices used, Networking Media types and length of media used | **15%** | Apply Devices, Network Media types and connector correct and calculate length of media >= 85% accurate | Apply Devices, Network Media types and connector correct and calculate length of media >= 75% accurate | Apply Devices, Network Media types and connector correct and calculate length of media >= 65% accurate | Apply Devices, Network Media types and connector not correct and calculate length of media <65% accurate. |  |  |
| 2 | IP Addressing & Subnetting | **40%** | 85% or more steps of setup IP addressing and Subnetting are accurate | 75% or more steps of setup IP addressing and Subnetting are accurate | 65% or more steps of setup IP addressing and Subnetting are accurate | 64% or less steps of setup IP addressing and Subnetting are accurate |  |  |
| 3 | Routing | **30%** | 85% or more setup routing for 3 floors are accurate and work | 75% or more setup routing for 3 floors are accurate and work | 65% or more setup routing for 3 floors are accurate and work | 64% or less setup routing for 3 floors are accurate and work |  |  |
| 4 | Application Layer | **15%** | 85% or more setup application are accurate and work | 75% or more setup application are accurate and work | 65% or more setup application are accurate and work | 64% or less setup application are accurate and work |  |  |
|  | **Total Score:** ∑(Score x Weight) | | | | | | |  |

Remarks:

**ASSESSMENT METHOD**

Instructions

Using maps given, design network system for 3 floors include devices need, media used and length of media, IP Addressing & Subneting, Routing concepts, application layer (Web/Mail)

Criteria for this design :

1. Devices used, Networking Media types and length of media used
2. IP Addressing & Subnetting
3. Routing
4. Application Layer

To make sure your design is proper, you can used Cisco Packet Tracer as a tools to design.

**Note for Lecturers**:

Lectures can used link below to give maps of floor to each group . Each groups with 3 floors maps

1. [Kampus Anggrek | BINUS Online Learning](https://onlinelearning.binus.ac.id/kampus-anggrek/)
2. [Kampus Alam Sutera | BINUS Online Learning](https://onlinelearning.binus.ac.id/kampus-alam-sutera/)
3. [Kampus Syahdan | BINUS Online Learning](https://onlinelearning.binus.ac.id/kampus-syahdan/)