FADILA INSANI

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I am final year of telecommunication engineering study program at Politeknik Negeri Jakarta. I have interest in communication technology, optical fiber, cellular network planning, and IoT. I have a basic understanding of link budget calculation, FTTH design, and fiber optic installation. I am looking for an opportunity to be able to contribute further in the field of Telecommunication Industry to be able to apply the knowledge and interests that I have..

PENDIDIKAN

SMAN 8 Kota Depok – Depok, Indonesia 2019 – 2022

Natural Sciences

POLITEKNIK NEGERI JAKARTA – Depok, Indonesia 2022 – 2025

D3 Telecommunication – IPK 3.52/ 4.00

- Planning and installing Fiber Optic network using OTDR
- Apply techniques regarding the development of Interface Microcontroller Systems
- Applying techniques regarding Walktest using GNET TRACK
- Applying techniques regarding Switching Techniques and link budget calculations
- Perform cellular network planning using Atoll software
- Apply techniques regarding radio and satellite communications

ORGANISASI

TELEXTION (Telecommunication Exploration) Desember 2022 – Sekarang

Secretary

- Apply techniques about Networking using Cisco Packet Tracer software
- Applying techniques about the Internet of Things (IoT)
- Make a license letter for telextion activities

ELECTRO ACTIVITES PROGRAMME (E-TIME) Maret 2023 – Juli 2023

Staff Publikasi dan Dokumentasi

- Document photos and videos during the event
- Learn to use Zoom and Google Meet

PEKERJAAN

JUNIOR FACILITY MAINTENANCE Agustus 2024 – Sekarang

PT. Angkasa Pura Indonesia

- Planning CCTV network topology for Halim Perdanakusuma airport
- Perform network deployment through Access Point and ONT
- Installing and repairing door access control

- Checking electronic equipment at the airport
- Installing OS on mini PC using Ubuntu
- Performing Point to Point antenna installation
- Perform CCTV installation and repair
- Perform Point to Point antenna setup
- Perform Mikrotik configuration
- Perform CCTV setup

CERTIFICATION

- Seminar Komunikasi Satelit PSN | Telekomunikasi PNJ | 2023
- Certification Of Completion Unsupervised Machine Learning | Juli 2023 | MyDigiLearn
- Public Switched Telephony Network (PSTN) For EBIS | April 2024 | MyDigiLearn
- Virtual Private Network Intrnet Protocol (VPN IP) | Mei 2024 | MyDigiLearn
- Internet of Things Fundamental | April 2024 | MyDigiLearn
- Internet Protocol (IP) Transit | April 2024 | MyDigiLearn

SKILL & TOOLS

Teknis

- Microcontroller project development
- Telecommunication network analysis
- Splicing on fiber optic cable
- Data collection and analysis
- Circuit design

Non - Teknis

- Time management
- Problem solving
- Collaborative

Tools & Programming Language

- Network planning : Cisco Packet Tracer, Axence NetTools, Wireshark, Atoll, G-NetTrack
- Designing : NI Multisim, CST Microwave Studio, Protel99
- Mikrokontroler : Arduino IDE
- Programming : HTML, Python, C++

PROJECT EXPERIENCE

Design of 593 MHz Yagi Antenna as GSM Amplifier Agustus 2023 – Januari 2024

Telecommunication Engineering Project

- Design calculations and design using CST Microwave software
- Perform measurements using Vector Network Analyzers and Function Generators
- Perform wave monitoring using Spectrum Analyzer

Mini Sistem Radar Ultrasonik Juni 2024

KSM Telextion Project

- Assembling microcontroller for ultrasonic radar system
- Learning Processing 4.3 software
- Learning Processing 4.3 programming

Aerial Fiber Optic Cable Installation Juni 2024

Telecommunication Engineering Project

- Performing splicing on fiber optic cable
- Measuring attenuation with OPM
- Fiber optic cable installation on the pole

Digital Image Compression with MATLAB GUI Juni 2024 – Juli 2024

Telecommunication Engineering Project

- Learning about compression systems in digital images
- Learning about the Graphical User Interface in Matlab software
- Reviewing the compression results with the original image