

ASRI APRILIANA SITORUS

COMPUTER ENGINEERING

<https://github.com/asrisitorus04> | 081376846978 | asrisitorus04@gmail.com

PROFILE SUMMARY

Saya lulusan baru Teknik Komputer dari IPB University tertarik dengan beberapa kegiatan untuk pengembangan diri saya seperti pengabdian masyarakat, saya orang yang dapat dipercaya, sering diberikan tanggung jawab untuk mengambil keputusan dalam kelompok dan selalu berusaha manajemen waktu dengan baik. Saya memiliki kemampuan bahasa pemrogramming PHP, Javascript, Python, Mysql, Java Script, CSS dan HTML. Saya pernah magang/Praktik Kerja Lapangan di DSITD IPB Bogor selama 3 bulan, saya bergabung sebagai tim engineering dan IT Kontrol. Saya terbiasa dalam mengoperasikan OS Linux/Windows, Jaringan IT dan terbiasa dalam mengerjakan proyek hardware. Selama berkuliah saya aktif dalam mengikuti pelatihan Cisco Networking.

TECHNICAL SKILL

| | | | | |
|---------------|-----------------|------------|-----------|-----------------|
| Networking | Database | Programmer | Hardware | Team work |
| Communication | Problem Solving | OS Windows | Microsoft | Public speaking |

WORK EXPERIENCE

BEM Sekolah Vokasi IPB

- Divisi Dana dan Konsumsi pada kegiatan Bina Desa 2019
- Aktif pada kegiatan Akademi Pengabdian Vokasi 2020

Forum Mahasiswa Kristen SV IPB

- Aktif dari tahun 2019-2022
- Aktif Forum mahasiswa Batak 2019

Penulis di Sastramedia Pustaka

- Penulis Favorit periode Januari-Februari 2021

Pekan Kreativitas Mahasiswa (PKM)

- Sebagai ketua tim PKM PI 2021
- Lolos pendanaan oleh Ditmawa Program Kreativista (PKM) Penerapan Iptek 2021
- Fasilitator PKM Center IPB 2022

Kegiatan MBKM Sociopreneur

- Kegiatan One Village One CEO Sukabumi 2021
- Melakukan Praktik Kerja Lapangan di DSITD IPB University Januari-Maret 2022
- Pelatihan Cisco Networking Academy CCNA 2019-2022

EDUCATION

Sekolah Menengah Pertama

2013 - 2016

Sekolah Menengah Atas

SMA N 1 Narumonda | IPA
2016 - 2019


Diploma 3

IPB University | Teknik Komputer
2019-Sekarang

CONTACT

 @asri_ailin

 <https://www.linkedin.com/in/asri-apriliana-sitorus/>

 Jalan Babakan Sirna No.53 Rt.03/Rw.09,
Babakan, Bogor tengah-Bogor kota Jawa Barat 16128



Kampus
Merdeka
INDONESIA



kedaireka



DIREKTORAT KEMAHASISWAAN DAN PENGEMBANGAN KARIR
IPB UNIVERSITY

SERTIFIKAT

Diberikan kepada :

Asri Apriliana Sitorus

GRADE : **A**

yang telah menyelesaikan Program

MBKM SOCIOPRENEUR ONE VILLAGE ONE CEO

Kolaborasi IPB University dengan PT. Astra Internasional Tbk dan
Badan Restorasi Gambut dan Mangrove (BRGM) pada tanggal
17 September - 26 Desember 2021

Bogor, 13 Januari 2022
Direktur Kemahasiswaan dan Pengembangan Karir
IPB University

Dr. Alim Setiawan Slamet, S.TP, M.Si
NIP. 198202272009121001

Kampus
Merdeka

kedaireka

**Lampiran I. Rekapitulasi Jam Pembelajaran & Output**

| Aktivitas | Group/ Individual | Learning Hours (Minutes) | | Equal Credit (SKS)* | Output |
|--|----------------------|-----------------------------|-------|---------------------------|--|
| | | Inspiring Talk | Task | | |
| Workshop and Coaching (CEO School) | | | | | |
| Kick Off and Overview One Village One CEO KedaiReka Kampus Merdeka | Individu | 150 | 150 | 0.11 | Memahami dasar-dasar dan gambaran umum pemberdayaan desa melalui One Village One CEO |
| Pengenalan Ekosistem Bisnis Perdesaan (+ BMC) dan Pemataan Potensi Produk Unggulan Desa | Individu | 100 | 150 | 0.09 | Memahami dasar ekosistem bisnis perdesaan dan cara melakukan pemetaan potensi desa |
| Pemahaman urgensi peran pendidikan tinggi dan mahasiswa untuk terjun ke masyarakat (Peran Akademisi dalam Riset Aplikatif) | Individu | 100 | 150 | 0.09 | Memahami pentingnya peran akademisi terjun langsung dalam pemberdayaan desa |
| Pengenalan Teknologi Tepat Guna | Individu | 100 | 150 | 0.09 | Memahami teknologi yang dapat mendukung pengembangan potensi produk unggulan desa |
| Pengenalan Peran BUMDes dalam Mewujudkan "Desa Sejahtera" untuk mencapai SDGs | Individu | 100 | 150 | 0.09 | Memahami peran BUMDes dalam mewujudkan "Desa Sejahtera" untuk mencapai SDGs |
| Pengenalan Peran CSR dalam membangun Ekosistem bisnis desa berbasis digital | Individu | 100 | 150 | 0.09 | Memahami peran CSR dalam membangun ekosistem bisnis desa berbasis digital |
| Pelatihan Social Return on Investment (SROI) Pemasaran Produk Unggulan (digital Marketing / konvensional | Individu | 200 | 200 | 0.15 | Laporan Penghitungan SROI + Memahami dasar Social Return on Investment (SROI) |
| Pelatihan pendampingan masyarakat di sekitar gambut dan mangrove | Individu | 100 | 150 | 0.09 | Memahami metode pendampingan masyarakat di sekitar gambut dan magrove |
| Pelatihan pengembangan ekowisata | Individu | 100 | 200 | 0.11 | BMC + Memahami cara menganalisa dan metode pengembangan ekowisata |
| Membangun kesadaran dan kepedulian mahasiswa dalam memelihara lingkungan | Individu | 100 | 150 | 0.09 | Menyadari dan peduli akan pentingnya memelihara lingkungan |
| Field Project | | | | | |
| Melaksanakan social and spatial mapping | Group | - | 1680 | 0.62 | Peta sosial, peta spatial karakteristik wilayah dan potensi desa |
| Melaksanakan perencanaan program (FGD/rembug desa dengan para pihak) | Group | - | 3360 | 1.24 | Terbentuknya Rencana Program Pengembangan Desa |
| Fasilitasi pelatihan dan praktik peningkatan kapasitas unit usaha (bagi BUMDesa, Koperasi, Kelompok Tani, dll) | Group | - | 3360 | 1.24 | Meningkatnya kapasitas Unit usaha (Terbentuknya unit usaha/peningkatan usaha) |
| Fasilitasi pelatihan dan praktik budidaya/produksi berbasis GAP bagi petani/nelayan/peternak | Group | - | 3360 | 1.24 | Adanya produk unggulan berbasis GAP |
| Melaksanakan pelatihan dan praktik pemasaran berbasis digital bagi BUMDesa/Koperasi, dll | Group | - | 3360 | 1.24 | Terbentuknya unit usaha berbasis online (e-commerce) |
| Melaksanakan pelatihan dan praktik post-harvest handling (penanganan Pasca Panen) | Group | - | 3360 | 1.24 | Adanya standarisasi dan pengembangan produk unggulan |
| Fasilitasi pelatihan bussiness dealing dengan oftaker | Group | - | 3360 | 1.24 | memiliki kemampuan menyampaikan keunggulan produk |
| Fasilitasi pelatihan dan praktik produksi produk Inovasi | Group | - | 3360 | 1.24 | adanya produk inovasi untuk skala usaha |
| Fasilitasi akses permodalan (bank, fintect, CSR, dll) | Group | - | 3360 | 1.24 | Mendapatkan akses permodalan |
| Melaksanakan uji coba pemasaran produk | Group | - | 5280 | 1.94 | Terjadinya penjualan produk |
| Melaksanakan Bussiness Development Analisis (keberlanjutan bisnis) | Group | - | 1680 | 0.62 | Adanya rencana pengembangan bisnis |
| Melaksanakan Quality and Process Improvement | Group | - | 1680 | 0.62 | Produk inovasi berstandar nasional dan siap ekspor |
| Publikasi dan Laporan (Publication, Presentation, and Report Activities) | | | | | |
| a. Menyusun bahan presentasi (PPT dan Infografis) kegiatan | Group | - | 480 | 0.18 | PPT Laporan Kegiatan dan Infografis |
| b. Menyusun laporan kegiatan | Group | - | 480 | 0.18 | Laporan kegitan |
| c. Membuat Video Kegiatan | Group | - | 480 | 0.18 | Video Dokumentasi Kegiatan |
| d. Mengikuti Ekspo Merdeka Belajar (Kewirus expo) | Group | - | 600 | 0.22 | Adanya oftaker dan media publikasi |
| e. Menyusun BMC Unit Usaha (BUMDes, BUMDesma, UMKM, Koperasi) | Group | - | 2400 | 0.88 | Terbentuknya BMC unit usaha |
| f. Menyusun Publikasi Media Massa | Group | - | 4800 | 1.76 | Adanya publikasi dan jurnal ilmiah kegiatan OVOC pada media lokal dan atau internasional |
| g. Merancang roadmap (rencana pengembangan program) Unit usaha | Individu | - | 4800 | 1.76 | Roadmap pengembangan proyek |
| h. Presentasi akhir | Individu | - | 2400 | 0.88 | Pelaporan kegiatan |
| Total Learning Activity | | | 56390 | 20.73 | |

Lampiran II. Rekapitulasi Penilaian

| No | Poin Penilaian | Bobot Penilaian | Keterangan Nilai |
|--------------|--|-----------------|--|
| 1 | Silabus Kode A (<i>Workshop and Coaching</i>) | 5% | A = ≥ 80 AB = 75 – 79 B = 70 – 74 BC = 65 – 69 C = < 65 |
| 2 | Silabus Kode B (<i>Field Project</i>) | 65% | |
| 3 | Silabus Kode C (<i>Publication, Presentation, and Report Activities</i>) | 30% | |
| TOTAL | | 100% | |

Lampiran III. Skillset

Empathy, Communication and Teamwork, Critical Thinking, Complex Problem Solving and Decision Making, Curiosity and Active Learning, Integrity, Collaboration, Creativity, Adaptability, Leadership & Entrepreneurship, Agility

-Village Empowering for Global Impact-



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
DIREKTORAT JENDERAL PENDIDIKAN TINGGI, RISET, DAN TEKNOLOGI

SERTIFIKAT

NOMOR : 6163/E2/KM.05.01/2021

Diberikan kepada

| | |
|-----------|------------------------|
| J3D119018 | ASRI APRILIANA SITORUS |
| J3L119042 | FERONIKA BUTARBUTAR |
| J3J119009 | ALEXANDER BUTARBUTAR |
| J3D219168 | NIFATI SARI DAELI |

Institut Pertanian Bogor
sebagai

Peraih Pendanaan

Program Kreativitas Mahasiswa (PKM) Skema PKMPI
**MONITORING PERTUMBUHAN TANAMAN JAHE (ZINGIBER OFFICINALE)
BERBASIS ARDUINO UNO DI DAERAH AMBORGANG SUMATERA UTARA**

Jakarta, 17 Oktober 2021
Direktur Pembelajaran dan Kemahasiswaan



Aris Junaidi
NIP. 196306041989031022



Sekolah Vokasi
College of Vocational Studies

SERTIFIKAT

No. 3942/IT3.S3/KP/2021

Diberikan kepada :

Asri Apriliana Sitorus

sebagai :

Peserta Seleksi Program Kreativitas Mahasiswa (PKM) di Tingkat Sekolah Vokasi

BIDANG PKM : PKM PI

JUDUL PKM :

MONITORING PERTUMBUHAN TANAMAN JAHE (ZINGIBER OFFICINALE) BERBASIS ARDUINO UNO DI DAERAH AMBORGANG SUMATERA UTARA

Learning Hours Kegiatan

| Kegiatan | Learning Hours | Softskill |
|--------------------------------|----------------|----------------------------------|
| Perumusan Ide | 2,1 | Critical Thinking, Creativity |
| Penyusunan Proposal | 10,5 | |
| Unggah IPB dan Review Proposal | 2,1 | |
| Total Learning Hours | 14,7 | |

**Wakil Dekan Bidang Akademik
dan Kemahasiswaan**



Dr.Ir. Bagus P. Purwanto, M.Agr

NIP. 19600503198503 1 003



Sekolah Vokasi
College of Vocational Studies

SERTIFIKAT

No. 3942/IT3.S3/KP/2021

Diberikan kepada :

Asri Apriliana Sitorus

sebagai :

Peserta Lolos Seleksi Program Kreativitas Mahasiswa (PKM) di Tingkat Sekolah Vokasi IPB

BIDANG PKM : PKM PI

JUDUL PKM :

**MONITORING PERTUMBUHAN TANAMAN JAHE (ZINGIBER OFFICINALE) BERBASIS ARDUINO UNO DI
DAERAH LAMBORGANG SUMATERA UTARA**

Learning Hours Kegiatan

| Kegiatan | Learning Hours | Softskill |
|---|----------------|----------------------------------|
| Perumusan Ide | 2,1 | Critical Thinking, Creativity |
| Penyusunan Proposal | 10,5 | |
| Unggah IPB dan Review Proposal | 2,1 | |
| Perbaikan Proposal | 4,2 | |
| Finalisasi Proposal dan Unggah Simbelmawa | 2,1 | |
| Total Learning Hours | 21,0 | |

**Wakil Dekan Bidang Akademik
dan Kemahasiswaan**



Dr. Ir. Bogus P. Purwanto, M. Agr

NIP. 19600503198503 1 003

IT Essentials

The student has successfully achieved student level credential for completing IT Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Select and install the appropriate computer components to build, repair, or upgrade personal computers.
- Demonstrate safe lab procedures.
- Appropriate use of tools to perform preventive maintenance and troubleshooting on personal computers.
- Perform installation, repair, maintenance, and troubleshooting of Windows operating systems.
- Explain the operation of local area networks and configure devices to connect to LANs and the Internet.
- Configure devices to connect to the Internet and Cloud services.
- Explain how to configure, repair, upgrade, maintain, and troubleshoot laptops and mobile devices.
- Explain how to configure, secure and troubleshoot mobile, OS X, and Linux operating systems.
- Install and share a printer to meet requirements.
- Implement basic host, data, and network security.
- Explain the roles and responsibilities of the IT professional.

Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

Aep Setiawan

Instructor

8 Jan 2021

Date

Instructor Signature

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Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

Aep Setiawan

Instructor

8 Jan 2021

Date



Instructor Signature

CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

4 Jul 2020

Date



Laura Quintana
VP & General Manager, Cisco Networking Academy

CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

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Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

4 Jul 2020

Date

Aep Setiawan

Instructor

Instructor Signature

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Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

Aep Setiawan

Instructor

4 Jul 2020

Date



Instructor Signature

CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

Aep Setiawan

Instructor

1 Jul 2021

Date



Instructor Signature

IT Essentials

The student has successfully achieved student level credential for completing IT Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Select and install the appropriate computer components to build, repair, or upgrade personal computers.
- Demonstrate safe lab procedures.
- Appropriate use of tools to perform preventive maintenance and troubleshooting on personal computers.
- Perform installation, repair, maintenance, and troubleshooting of Windows operating systems.
- Explain the operation of local area networks and configure devices to connect to LANs and the Internet.
- Configure devices to connect to the Internet and Cloud services.
- Explain how to configure, repair, upgrade, maintain, and troubleshoot laptops and mobile devices.
- Explain how to configure, secure and troubleshoot mobile, OS X, and Linux operating systems.
- Install and share a printer to meet requirements.
- Implement basic host, data, and network security.
- Explain the roles and responsibilities of the IT professional.

Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor


Academy Name

Indonesia

Location

8 Jan 2021

Date



Laura Quintana
VP & General Manager, Cisco Networking Academy

CCNAv7: Enterprise Networking, Security, and Automation

The student has successfully achieved student level credential for completing CCNAv7: Enterprise Networking, Security, and Automation course administered by the undersigned instructor. The student was able to proficiently:

- Configure single-area OSPFv2 in both point-to-point and multiaccess networks.
- Explain how to mitigate threats and enhance network security using access control lists and security best practices.
- Implement standard IPv4 ACLs to filter traffic and secure administrative access.
- Configure NAT services on the edge router to provide IPv4 address scalability.
- Explain techniques to provide address scalability and secure remote access for WANs.
- Explain how to optimize, monitor, and troubleshoot scalable network architectures.
- Explain how networking devices implement QoS.
- Implement protocols to manage the network.
- Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.

Asri Sitorus

Student

Sekolah Vokasi Institut Pertanian Bogor

Academy Name

Indonesia

Location

Aep Setiawan

Instructor

1 Jul 2021

Date



Instructor Signature