# KISI-KISI
# LOMBA KOMPETENSI SISWA (LKS) SMK
# TINGKAT PROVINSI JAWA TIMUR
# BIDANG CLOUD COMPUTING

## Tema Modul

| No | Nama Modul | Keterangan |
|---|---|---|
| 1 | Infrastructure as Service CI/CD | Close Modul |
| 2 | Generative Artificial Intelligence | Open Modul |
| 3 | Machine Learning | Close Modul |

## Bahan Wajib

| No | Nama | Keterangan |
|---|---|---|
| 1 | Akun AWS | Learner Lab Academy |
| 2 | Internet | 150 Mbps |

## Hardware

| No | Nama Perangkat | Spesifikasi | Kuantiti | Keterangan |
|---|---|---|---|---|
| 1 | PC/Laptop | - Processor Core i5, 2,3 GHZ up to 4.0 GHZ<br>- RAM 8 GB<br>- SSD 128 GB<br>- LAN Card<br>- Wireless<br>- Keyboard + mouse<br>- Monitor LCD / LED 18.5'<br>- OS Windows 10/11 64 Bit / Linux/ MAC OS | 1 | Wajib Install Ulang dan hanya ada 1 partisi |
| 2 | Extends Monitor | Extend Monitor LED 18.5' | 1 | |

## Software

| No | Nama Modul | Keterangan |
|---|---|---|
| 1 | IDE | VSCode (Tanpa Ekstensi) |
| 2 | Browser | Chrome / Edge / Firefox |
| 3 | Programming | - Nodejs<br>- Python<br>- Golang |

## Jadwal Tentative

| No | Hari / Tanggal Lomba | Waktu (WIB) | Kegiatan |
|---|---|---|---|
| 1 | 21 April 2025 | 08.00 - 17.00 | Kedatangan dan Penyerahan Alat dan Uji Coba Alat LKS |
| 2 | 22 April 2025 | 08.00 – 12.00 | Pembukaan |
| | | 13.00 – Selesai | Technical Meeting |
| 2 | 23 April 2025 | 08.00 – 12.00 | Modul 1 |
| | | 12.00 – 13.00 | ISHOMA |
| | | 13.00 – 16.00 | Modul 2 |
| | | 16.15 - selesai | Penilaian Modul 1 dan Modul 2 |
| 3 | 24 April 2025 | 08.00 – 12.00 | Modul 3 |
| | | 12:00 – 13.00 | ISHOMA |
| | | 13.00 – 15.00 | Modul 3 |
| | | 15.00 – 15.30 | Evaluasi |
| | | 15.45 - Selesai | Tim Juri Melakukan Penilaian |
| 4 | 25 April 2025 | | Penutupan |

## KISI - KISI

| KATEGORI | SPESIFIKASI |
| --- | --- |
| Compute | 1. EC2<br>2. Load Balancing<br>3. Auto Scaling<br>4. Network and Security<br>5. Elastic Beanstalk<br>6. Lambda |
| Containers | 1. Elastic Container Registry<br>2. Elastic Container Service<br>3. Elastic Kubernetes Service |
| Storage | 1. S3<br>2. EFS<br>3. S3 Glacier<br>4. AWS Backup |
| Application Integration | 1. Simple Notification Service<br>2. Simple Queue Service |
| Analytics | 1. Athena<br>2. Kinesis<br>3. AWS Glue |
| AWS Cost Management | 1. AWS Budgets |
| Database | 1. RDS<br>2. Dynamo DB<br>3. ElasticCache |
| Networking & Content Delivery | 1. VPC<br>2. API Gateway<br>3. Content Delivery Network (CDN) |
| Security, Identity & Compliance | 1. IAM<br>2. Secret Manager<br>3. Certificate Manager<br>4. Key Management Service |
| Management & Governance | 1. CloudWatch<br>2. AWS Auto Scaling<br>3. Cloud Formation |
| Developer Tools | 1. Cloud9 |
| Machine Learning | 1. Amazon SageMaker<br>2. Rekognition |
| Front-end Web & Mobile | 1. AWS Amplify<br>2. AWS AppSync |
| Programming | 1. Node JS<br>2. Python<br>3. Golang |
| Operating System | 1. Amazon Linux 2023 |

| | |
|---|---|
| Cache | 1. Redis<br>2. MemCache |
| API Management | 1. POSTMAN |
| Automation | 1. Terraform |
| Repository | 1. GitHub |
| Container Application | 1. Docker |