KISI-KISI SOAL / DESKRIPSI TEKNIS LOMBA KOMPETENSI SISWA (LKS) DIKMEN (SMK/SMA/MA/MAK) TINGKAT PROVINSI JAWA TIMUR TAHUN 2025

BIDANG LOMBA :

Cloud Computing

DINAS PENDIDIKAN PROVINSI JAWA TIMUR

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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

Software

No	Nama Perangkat	Spesifikasi	Kuantiti	Keterangan
1	PC/Laptop	- Processor Core i5, 2,3 GHZ up to 4.0 GHZ - RAM 8 GB - SSD 128 GB - LAN Card - Wireless - Keyboard + mouse - Monitor LCD / LED 18.5' - 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 - Python - 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 2. Load Balancing 3. Auto Scaling 4. Network and Security 5. Elastic Beanstalk 6. Lambda
Containers	1. Elastic Container Registry 2. Elastic Container Service 3. Elastic Kubernetes Service
Storage	1. S3 2. EFS 3. S3 Glacier 4. AWS Backup 5. FSx
Application Integration	1. Simple Notification Service 2. Simple Queue Service
Analytics	1. Athena 2. Kinesis 3. AWS Glue 4. Amazon OpenSearch Service 5. Amazon Redshift
AWS Cost Management	1. AWS Budgets
Database	1. RDS 2. Dynamo DB 3. Document DB 4. ElasticCache 5. Redshift
Networking & Content Delivery	1. VPC 2. API Gateway 3. Route 53 4. Content Delivery Network (CDN)
Security, Identity & Compliance	1. IAM 2. Secret Manager 3. Certificate Manager 4. Key Management Service
Management & Governance	1. CloudWatch 2. AWS Auto Scaling 3. Cloud Formation 4. OpsWorks 5. Service Catalog
Developer Tools	1. Cloud9
Machine Learning	1. Amazon SageMaker

	2. Rekognition
Front-end Web & Mobile	1. AWS Amplify 2. AWS AppSync 3. Amazon Location Service
Media Services	1. Kinesis Video Stream
Programming	1. Node JS 2. Python 3. Golang
Operating System	1. Amazon Linux 2023
Cache	1. Redis 2. MemCache
API Management	1. POSTMAN
Automation	1. Terraform
Repository	1. GitHub