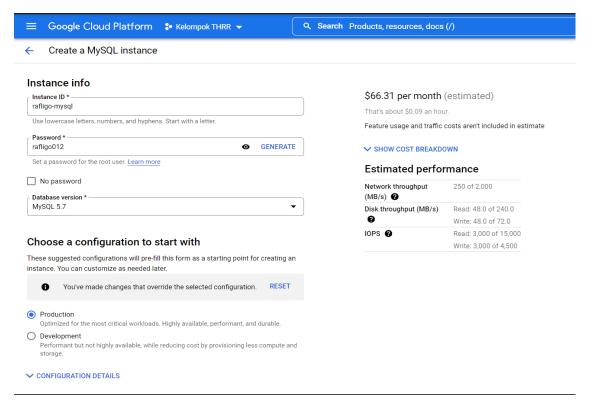Nama : Rafli Gozalianto
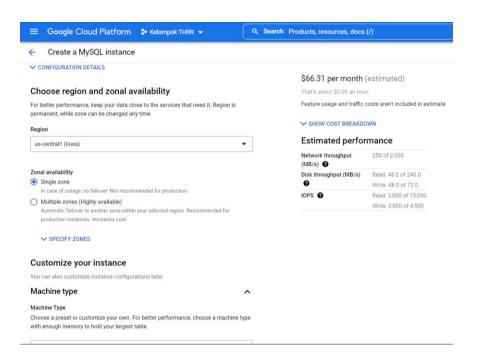
NIM : 52019026
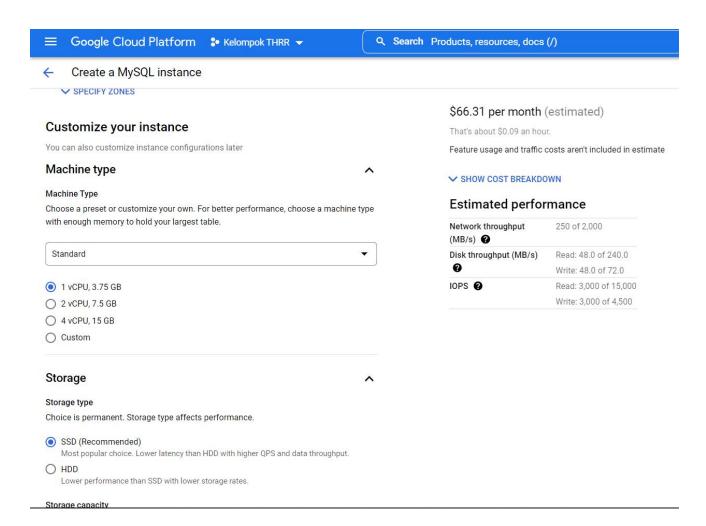
MK : Cloud Computing
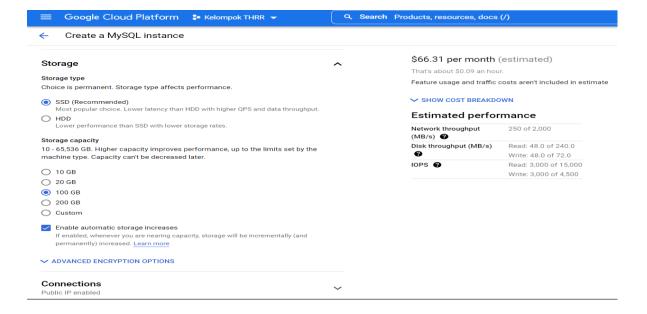

HADIAH

1. Settingan SQL INSTANCES

← Create a MySQL instance

⌄ SPECIFY ZONES

Customize your instance

You can also customize instance configurations later

Machine type   ∧

Machine Type

Choose a preset or customize your own. For better performance, choose a machine type with enough memory to hold your largest table.

Standard ▼

- ◉ 1 vCPU, 3.75 GB
- ○ 2 vCPU, 7.5 GB
- ○ 4 vCPU, 15 GB
- ○ Custom

Storage   ∧

Storage type

Choice is permanent. Storage type affects performance.

- ◉ SSD (Recommended)
  Most popular choice. Lower latency than HDD with higher QPS and data throughput.
- ○ HDD
  Lower performance than SSD with lower storage rates.

Storage capacity

$66.31 per month (estimated)

That's about $0.09 an hour.

Feature usage and traffic costs aren't included in estimate

⌄ SHOW COST BREAKDOWN

Estimated performance

Network throughput (MB/s) ❓	250 of 2,000
Disk throughput (MB/s) ❓	Read: 48.0 of 240.0
	Write: 48.0 of 72.0
IOPS ❓	Read: 3,000 of 15,000
	Write: 3,000 of 4,500

← Create a MySQL instance

Storage   ∧

Storage type
Choice is permanent. Storage type affects performance.

- ◉ SSD (Recommended)
  Most popular choice. Lower latency than HDD with higher QPS and data throughput.
- ○ HDD
  Lower performance than SSD with lower storage rates.

Storage capacity
10 - 65,536 GB. Higher capacity improves performance, up to the limits set by the machine type. Capacity can't be decreased later.

- ○ 10 GB
- ○ 20 GB
- ◉ 100 GB
- ○ 200 GB
- ○ Custom

- ☑ Enable automatic storage increases
  If enabled, whenever you are nearing capacity, storage will be incrementally (and permanently) increased. Learn more

⌄ ADVANCED ENCRYPTION OPTIONS

Connections
Public IP enabled   ⌄

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← Create a MySQL instance

Connections   ⌄
Public IP enabled

Backups   ⌃

Automated backups and point-in-time recovery
Protect your data from loss at a minimal cost. Learn more

☑ Automate backups
Choose a window of time for your data to be automatically backed up, which may continue outside the window until complete. Time is your local time zone (UTC+8).

[1:00 PM — 5:00 PM   ▾]

⌄ ADVANCED OPTIONS

☑ Enable point-in-time recovery
Allows you to recover data from a specific point in time, down to a fraction of a second. Enables binary logs (required for replication). Make sure your storage can support the days of logs you're retaining.

⌄ ADVANCED OPTIONS

Maintenance   ⌃

Maintenance typically only takes place once every few months, and requires your instance to be restarted while updates are made, which disrupts service briefly

Maintenance window
Choose the best day and time window for this instance to undergo routine maintenance.

$66.31 per month (estimated)

That's about $0.09 an hour.

Feature usage and traffic costs aren't included in estimate

⌄ SHOW COST BREAKDOWN

Estimated performance

Network throughput (MB/s) ❓	250 of 2,000
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	Write: 3,000 of 4,500

← Create a MySQL instance

Maintenance   ⌃

Maintenance typically only takes place once every few months, and requires your instance to be restarted while updates are made, which disrupts service briefly

Maintenance window
Choose the best day and time window for this instance to undergo routine maintenance.

[Any window   ▾]

Order of update ❓
Relative to other instances in this region

[Any   ▾]

⌄ ADVANCED OPTIONS

Flags   ⌄
No flags set.

Labels   ⌄
No labels set

⌃ HIDE CONFIGURATION OPTIONS

[**CREATE INSTANCE**]   [CANCEL]

$66.31 per month (estimated)

That's about $0.09 an hour.

Feature usage and traffic costs aren't included in estimate

⌄ SHOW COST BREAKDOWN

Estimated performance

Network throughput (MB/s) ❓	250 of 2,000
Disk throughput (MB/s) ❓	Read: 48.0 of 240.0
	Write: 48.0 of 72.0
IOPS ❓	Read: 3,000 of 15,000
	Write: 3,000 of 4,500

SQL | Instances   + CREATE INSTANCE   ⇄ MIGRATE DATA   HIDE INFO PANEL

Filter   Enter property name or value

	Instance ID ❓ ↑	Type	Public IP address	Private IP address	Instance connection name	High availability	Location	Actions
	✓ rafligo-mysql	MySQL 5.7	34.67.36.242		qualified-sum-34551... ▾	ADD	us-central1-f	⋮

No instances selected

MONITORING   LABELS

ⓘ   No instances selected.

Add network

SQL

Connections

PRIMARY INSTANCE

You can use the Cloud SQL Proxy for extra security with either option. Learn more

- 📄 Overview
- ➡️ Connections
- 👥 Users
- ▦ Databases
- ⊡ Backups
- ⊢ Replicas
- ☰ Operations

Instance IP assignment

☐ **Private IP**
Assigns an internal, Google-hosted VPC IP address. Requires additional APIs and permissions. Can't be disabled once enabled. Learn more

☑ **Public IP**
Assigns an external, internet-accessible IP address. Requires using an authorized network or the Cloud SQL Proxy to connect to this instance. Learn more

Authorized networks
You can specify CIDR ranges to allow IP addresses in those ranges to access your instance. Learn more

⚠️ You have added 0.0.0.0/0 as an allowed network. This prefix will allow any IPv4 client to pass the network firewall and make login attempts to your instance, including clients you did not intend to allow. Clients still need valid credentials to successfully log in to your instance.

akses dari luar (0.0.0.0/0)   (Not saved) ▾

ADD NETWORK   Toggle item "akses dari luar (0.0.0.0/0)"

App Engine authorization
All apps in this project are authorized by default. You can use Cloud IAM to authorize apps in other projects. Learn more

📄 Release Notes

‹|

SAVE   DISCARD CHANGES

2. Hasil VM

3. Database Kharisma

```
MySQL [bioskop]> CREATE DATABASE kharisma;
Query OK, 1 row affected (0.006 sec)

MySQL [bioskop]> use kharisma
Database changed
```

4. Table anggota

```
MySQL [kharisma]> CREATE TABLE anggota (
    -> Nis VARCHAR (8) NOT NULL,
    -> nasis VARCHAR (50) NOT NULL,
    -> Kelas VARCHAR (10) NOT NULL,
    -> Tlahir DATE NOT NULL,
    -> alamat VARCHAR (50) NOT NULL,
    -> jkel VARCHAR (20) NOT NULL,
    -> nohp VARCHAR (12) NOT NULL,
    -> PRIMARY KEY (Nis)
    -> );
Query OK, 0 rows affected (0.110 sec)
```

5. Table Buku

```
MySQL [kharisma]> CREATE TABLE Buku (
    -> kodebuku VARCHAR (8) NOT NULL,
    -> jubuk VARCHAR (50) NOT NULL,
    -> jml INT (3) NOT NULL,
    -> jenbuk VARCHAR (10) NOT NULL,
    -> peng VARCHAR (20) NOT NULL,
    -> pen VARCHAR (20) NOT NULL,
    -> thter VARCHAR (4) NOT NULL,
    -> isbn VARCHAR (20) NOT NULL,
    -> PRIMARY KEY (kodebuku)
    -> );
Query OK, 0 rows affected (0.026 sec)
```